



## MAILBOX

John Zondlo  
1802 N. Rockwell,  
Apt. 107  
Bethany, OK 73008  
(405) 787-3717  
Deadline: 5th

**New Members:**  
Mario Aliaga  
Kenneth Brand  
R. Michael Ditto  
Roger Durham  
Dennis Jenkins  
Greg Ledbetter  
Anthony Lomazzo  
Daniel Oetting  
Robert Rago

P.O. Box 1093  
421 Fairview Ave.  
2316 Mayfair Drive  
Route 1, Box 389  
1833 Prospect  
Box 374  
14 Shadybrook Lane  
2882 Old Cedar Grove Rd.  
3509 Avenue S

Fairbanks, AK 99707  
 Winchester, VA 22601  
 Logansport, IN 46947  
 Yazoo City, MS 39194  
 National City, CA 92050  
 Purvis, MS 39475  
 Old Greenwich, CT 06870  
 Broomall, PA 19008  
 Brooklyn, NY 11234

**Renewals:**  
 Earl Albin, Robert Baker, John Paschore, Murray Bernstein, Phil Boersma,  
 Roger Bortree, Bill Coleman, Ernie Cooper, Tim Cronin, Mike DeRoo, Eric  
 Fader, Bill Feldt, Barry Gardner, Jim Gill, Robert Goodman, John Griffiths,  
 Michel Guzzi, Phillip Hanger, Harry Hayes, Robert Heckenlively, Bob  
 Hempel, Hank Holbrook, Jim Jennings, George Jensen, William Johnson,  
 Neil Kazaross, James Kingsbury, Michael Lapinski, Ron LeBlanc, Roland  
 Lindblade, Tim McVey, Randy Miltier, A. Robert Pantazes, Les Prus,  
 Edward Ritchie, Jr., Daniel Sampson, Peter Skinner, William Smith,  
 Edwin Tharp, Alphonse Tobia, Lee Vulgamott, Mel Wilson, Jeff Wolf,  
 Neil Zank, Robert Zent.

Kenneth Blair-835 Prescott Drive-Lebanon, PA 17042  
Ron Ginardi-306 N. Cayuga-Frontenac, KS 66762  
Brad Lovett-421 E. College-Coldwater, OH 45828  
David Nordmann-1110 Ralph Tr.-Richmond Heights, MO 63117  
Randy Schnepf-4202 N. 800 E.-Lafayette, IN 47995  
Andrew Smith-R.D. 3, Box 268-Dillsburg, PA 17019

Roger Bortree-Apt. 504-8165 E. Central St.-Wichita, KS 67206  
Saul Chernos-c/o P.O.-Burnt River, ON K0M 1C0  
John Clemmer-4524 7th St., #2303-E, Moline, IL 61244  
James Kingsbury-P.O. Drawer 560-Grantsville, WV 26147  
David Legler-128 E. Magnetic St.-Marquette, MI 49855  
John Sulak-1997 Foster Road-Hatfield, PA 19440  
Dr. Richard Wood-1922 Rampart St.-Cape Girardeau, MO 63701

**Renewals due in August:**  
 Jim Ayers, David Brumfield, Roosevelt Crawford, Al Ellis, Jeff Falconer, Joe Fela, Paul Gaines, John Gerler, David Hellas, Tom Haskett, Ken Holeman, Robert Langridge, Jr., Albert S. Lotel, Pat McGrath, Bill Migley, David Moody, John Parillo, Paul Petosky, Don Ruland, Richard Turcsany, David Walcutt, Allen Walker, Dave Wardell, Paul Wardell, Jim White, Ron Wing.

From the 49th state comes our first new member this month, MARIO ALIAGA. Mario is a camp worker and a pilot who is interested in TV DX. What can you say about someone whose local high school's nickname is the Berries? Well first, I'll tell you that his name is R. MICHAEL DITTO. He's a purchasing agent who enjoys FM and ECB DX. He uses a GE Superadio and a Realistic STA-84.

From the hometown of Jerry Clower comes new member ROGER DURHAM. He's a mechanic whose DX interests include SW and TV.

As I recall, IRCA's last convention in Louisville had a small problem with fire alarms. Well, they're not at all alarming to DENNIS JENKINS, who's a fire alarm technician/fire science student. For FM he uses a Blaupunkt-Sultan 5 tube radio, and for VHF/UHF radio a Regency K-500. He also has a 25' home built ground plane for VHF.

(continued on page 38)

# CLOSE ENCOUNTER WITH AN FM PIRATE

On February 18, 1981, a very weak signal was heard in Muncie, IN on 88.5 to the southwest of me. I recorded what I was hearing and finally heard call letters which sounded like WELI. After searching through many past issues of the VUD, I gave up trying to find such a station. The following day, I was surprised to find the station coming in much clearer and recorded this announcement:

"Radio station WELI. If you have any questions, comments, QSL reports, album requests, or if you want to bring some albums in, call toll free 1-457-0271. This number reaches a recording which gives you the number in Muncie to dial. That's 1-457-0271. WELI operates on a special wide band FM channel. To get full 20 to 20000 Hz response, plug your amplifier input into the detector output of your FM tuner. This bypasses the de-emphasis network. The pre-emphasis network operates as a fixed treble boost circuit. To compensate for this, when you bypass the de-emphasis network, turn down the treble. WELI has a special SCA channel. For information on how to pull this in, call us toll free - 1-457-0271. This is WELI. We never play commercials. WELI - main channel number one."

Being of a curious nature, I dialed the toll free number and was given the Muncie number. Within a few days, I called the young man operating WELI. He answered the phone and quite a conversation began. Here are a few questions I asked:

- Q: I'm hearing WELI out on McGalliard Road. How many watts of power are you operating with?
- A: Way out there! About one-half to one watt, with an antenna up forty feet.
- Q: Why are you operating a station here in Muncie?
- A: Well, it's just a neighborhood station. I'm hoping to mainly play records over the air for students giving parties. It's nicer listening to a radio, rather than try to play records in your home. Someone might bump a turntable.
- Q: Then could you charge a fee to do this for students in your neighborhood?
- A: Yes, I would hope to.
- Q: Do you have a license to operate an FM station?
- A: Well, not yet, but I hope to someday.
- Q: Why do you have a toll free number?
- A: Oh, just to play it safe. If everything goes alright, I'll announce my number.
- Q: Aren't you afraid of being caught without a license?
- A: No. Most people pay no attention and it's doubtful anyone would bother me.
- Q: What would happen if you were caught operating or if some mean person reported you?
- A: Oh, not much. You would be told to stop operating, with perhaps a small fine.
- Q: Why did you choose the frequency of 88.5?
- A: Well, I didn't know what frequency was vacant, so I kept my tuner on a number of frequencies for a few days and if I didn't hear anything, I knew it must be vacant.
- Q: Do you know what station is closest to Muncie on 88.5?
- A: No, what is it? (I told him it was WMUB at Miami University in Oxford, OH with 820 watts, just one of seventeen stations I've heard on 88.5).
- Q: Sometimes your signal is perfectly clear, but usually is full of a crackling sound.
- A: Perhaps you could tilt your antenna down and that would help. (I had told him that my antenna was 60 feet high with a rotor).
- Q: Do you build SCA units and sell them?
- A: Yes.
- Q: Where did you get your equipment to operate the station?
- A: Some of it is from Radio Shack. In fact, the Radio Shack on E. McGalliard is getting in a 25 watt transmitter. Just think what I could do with that!
- Q: If I wanted to bring you some records to play, how could I get them to you?
- A: Well, I live at 214 N. Vine St.
- Q: I'm a member of a TV-FM club. We log stations, but few have heard pirate stations. Are there many around?
- A: You've never heard a pirate station? There are at least seven of them in the Indianapolis area. Some are on the FM band and others on the AM band. I was operating this station in Kokomo, IN before moving to Muncie.
- Q: What do the call letters of WELI stand for?
- A: Earth Light Institute.

After responding politely to my many questions, he then read a complete article to me from an electronics magazine regarding pirate FM and TV stations. According to

the article, there are a surprising number of pirate radio and television stations throughout the United States, and possibly even more in foreign countries. Some rock groups such as the Rolling Stones, first aired their music over pirate stations which later enabled them to break into the big time rock 'n roll era. Pirate TV stations have been known to show "XXX" rated films to neighborhood viewers in some cities. Wow, what luck for some!

In April, I recorded another announcement broadcast over WELI:

"Radio station WELI will be going off the air in about five or six hours. We're going to move our transmitting facilities. We'll have a number for you to dial when we've moved. We never play commercials."

WELI was off the air for at least two weeks. One evening Dave Brumfield was visiting me and said, "See if WELI is back on the air." I didn't think it would be, but sure enough, there it was. This time it seemed almost directly west of me.

When Dave went home he decided to tune in WELI. From his location, the signal was full strength when he rotated his antenna in all directions. Obviously, WELI was only a few blocks from his house.

Finally, a phone number was given and Dave called WELI. The young man operating the station graduated from Haworth High School in Kokomo, IN a few years ago and worked for the school's 10 watt station WRSK. This is where he became so proficient with electronic equipment. (Yes, I did hear and tape WRSK from Muncie once).

WELI, at this location, was broadcasting with one and a half to two watts with a directional antenna aimed at Ball State University, hoping to find an audience of college students. On campus, the signal is quite good on my car radio.

Dave asked the gentleman if he would move his signal slightly above 88.5, so he could hear 88.3 WAIF in Cincinnati. He agreed to do so and I taped the following:

"Radio station WELI is going to move to a slightly different frequency. We're going to move up, just about a couple of hundred kilahertz in about five seconds."

WELI is a monophonic or high fidelity station. Most selections played have been rock music, with a little disco and jazz. There are no regular hours. Music may be heard off and on at various hours of the day or night. This to me, seems to be a drawback in trying to find an audience. The transmitter is usually left on at all times, so often we hear nothing more than a dead carrier.

Now the signal of WELI is coming from the northwest, so I suspect he has moved again. Dave said the guy told him that he was leaving Muncie this summer and moving to Australia. The weak signal has not bothered our DXing, and as far as I can tell, WELI has not been frequently broadcasting this summer.

Because WELI is an unlicensed FM station, neither Dave or I will count this pirate station to our logs.

--Ralph Strobel



## SEE YOU IN OKLAHOMA CITY



# FCC TV NEWS

Bill Fahber  
336 Atlantic Street  
Bridgeton, NJ, 08302

TRANSLATORS LICENSED IN 1980-1981: Since recording every translator would be unfeasible I had to figure what the best standard would be for reporting. My own conclusion is this: Since the states west of the Great Plains (except for California) have hardly any members, and a vast number of weak translators, and no reporters to the Western TV EN column I must gather that there is little or no use in reporting those translators. In the remaining of the continental (48) states, even the faintest translators are often logged. So I figured they should be included. As I said last month, I have plenty of information available on old and new translators, so feel free to write for more information. In the list below, the first column is the call sign of the translator, with the second and third digits being the channel; next is the power in watts (apparently the ERP may be higher than this); The next three columns are the primary station's call letters, channel, and state. The last column is the community or city which the translator covers. You will note discrepancies in some of the call letters; these are strictly from BROADCASTING magazine, with no other source to double-check.

C.L.	Watt	Prm.	CH	ST	Coverage area
K02JV	10	KPLO	5	SD	Cody, Nebraska
K02KH	5	KTVL	10	OR	Trinity Center, CA.
W05AU	1	WUNF	33	NC	Bat Cave, Gerton, Chimney Rock, Lake Lure North Carolina
K06KA	5	KTVL	10	OR	Fort Jones, Etna, Greenville, Callahan, California
K07QL	10	KSPY	13	SD	Mitchell, SD
W08BR	1	WMBT	17	NY	Blue Mountain Lake, NY
W08BS	1	WLTX	19	SC	Sumter, South Carolina
W08BT	1	WLTX	19	SC	Newberry, S. Carolina
K09PA	10	KACB	3	TX	7 miles south of Osona TX, covering 20x20 mi
K09PI	5	KIEM	3	CA	Happy Camp & North Indian Creek, Calif.
W10AY	1	WCDC	19	MA	Blue Mountain Lake, NY (note: WCDC is a satellite of WTEN)
K10LK		KNBC	4	CA	Monument Manor, Calif.
K11PF	10	WFAP	8	TX	7 miles south of Osona TX, covering 20x20 mi.
W11AX	1	WFBC	4	SC	Bat Cave, Gerton, Chimney Rock, Lake Lure, NC
K11PQ	1	WAGW	8	ME	St. John Plantation, ME
W12BC	1	WTVH	5	NY	Blue Mountain Lake, NY
K12MG		KABC	7	CA	Monument Manor, Calif.
K13GO	1	KINE	3	NE	Atwood, Kansas
K13QN	10	KCTV	8	TX	7 miles south of Osona, TX, covering 20x20 mi.

W21AB	1000	WTOG	44	FL	Fort Pierce, Vero Beach & Stuart, Florida
W22AC	1000	WCES	20	GA	Hartwell & Royston, GA
K22AB	1000	WFSU	11	FL	Panama City, Florida
K24AD	1000	KERA	13	TX	Wichita Falls, Texas
W25AA	1000	WHRO	15	VA	Onancock, Virginia
K25AA	1000	KSIN	27	IA	Rock Rapids, Iowa
W29AB	1000	WTOG	44	FL	Ocala, Florida
W32AC	100	WJAN	17	OH	Muncie, Indiana
W38AB	1000	KTIN	21	IA	Spirit Lake, Iowa
W41AC	1000	WAVY	10	VA	Onancock, Virginia
W44AD	1000	WTAR	3	VA	Onancock, Virginia
W46AC	10	WHRO	15	VA	Tangier, Virginia
K47AE	20	KBSC	52	CA	Inyokern, Armitage, Field & Ridgecrest, CA
K48AL	100	KSCI	18	CA	Poway & surrounding areas in San Diego, CA
W49AF	100	WLWK	11	MI	Crystal Falls Township, Michigan
W51AB	100	WJHL	11	TN	Honaker, Virginia
W52AB	100	WHRO	15	VA	Craddockville, VA
W53AB	100	WCYB	5	VA	Honaker, Virginia
W54AC	10	WAVY	10	VA	Tangier, Virginia
W55AP	100	WHMC	28	WI	River Falls, Wisconsin
K55CP	100	KWEX	41	TX	Victoria, Texas
W55AO	100	WPNE	38	WI	Twp. of Washington Isl. Upper Door County, WI
K55CN	100	KYTN	40	CA	Bakersfield, Calif.
K55CQ	100	KETA	13	CA	Miami, Texas
K56BF	20	WHO	13	IA	Penton & Ringsted, Iowa
W56BB	10	WTAR	3	VA	Tangier, Virginia
K56AX	1000	KPLO	5	SD	Laury, South Dakota
W56BF	100	WKBD	50	MI	Iron Mountain, Michigan
K56BQ	100	KWET	12	OK	Frederick, Oklahoma
K56BR	1000	KMTV	11	CA	Palo Alto & Mountain View, California
K57BX	100	KELO	11	SD	Lake Andes, S. Dakota
K57BS	100	KEYT	3	CA	Santa Barbara, Ventura, & Oxnard, California
W58AK	100	WTAR	3	VA	Craddockville, VA
W58AL	10	WKSG	46	NY	South of Otsellic and Georgetown, New York
W58AN	10	WNED	17	NY	Ripley, New York
W59AK	100	WUNE	17	NC	Spruce Pine, North Car.
W59AL	100	WJHL	11	TN	Castlewood, Virginia
W59AM	1	WKSG	46	NY	Unadilla, New York
W59AN	1	WKSG	46	NY	Treadwell, New York
W59AO	1	WKSG	46	NY	Guilford, New York
W59AP	1000	WUTR	20	NY	Herkimer, New York
W59AQ	100	WGN	9	IL	Iron Mountain, Mich.
W59AR	100	WUNF	33	NC	Brevard, Cedar Mountain & Sherwood Forest, NC
W60AL	1000	WVEC	13	VA	Onancock, Va. (FCC granted change to ch. 68; see W68BH below. Still operating on ch. 60 as of May, 1981.)
K60BL	100	WIRT	13	MN	Max and surrounding rural areas, MN

## FCC TV NEWS

### TRANSLATORS (CONTINUED)

W61AK	100	WTOG	44	FL	Inverness, Florida
K61BW	100	WTOG	44	FL	Okechobee, Florida
W61AN	100	WGOB	49	PA	Newark & Brookside, Del.
W62AY	1000	WAPB	22	MD	Frederick, Maryland
W62AZ	1	WKSG	46	NY	Dowdsville, New York
W62BA	100	WUNE	17	NC	Hayesville, Brassstown & Shottling Creek, N.C.
W62BB	100	WUNE	17	NC	Highlands, N. Carolina
W63AM	100	WAVY	10	VA	Craddockville, Virginia
W63AO	10	WKSG	46	NY	Bainbridge & Afton, NY
W63AP	10	WKHA	35	KY	Ingram, Kentucky
W64AQ	100	WCYB	5	VA	Castlewood, Virginia
W64AR	100	WYAH	27	VA	Iron Mountain, Michigan
W64AS	100	WHYY	12	DE	Seaford, Delaware
K64BG	100	KJLB	4	ND	Starbuck & all of Pope County, MI (Federal Register listed WCCO in Minneapolis as the primary)
W65AQ	100	WVEC	13	VA	Dickinsonville, VA (Federal Register listed WJHL, Johnson City, TN as primary)
W65AR	100	WJHL	11	TN	Tangier, Virginia
K65CA	100	KTNB	40	CA	Arvin & Lamont, Calif.
K65CC	100	KTNB	40	CA	Susanville & Herlong, CA
K65BM	100	KTNB	40	CA	Palm Springs, Calif.
W66AP	100	WKSG	46	NY	Norwich & Oxford, N. Y.
W66AQ	100	WAIM	40	SC	Greenville, S. Carolina
W66AQ	100	WBTV	64	OH	Dayton, Ohio
W67AQ	100	WAIM	40	SC	Burnsville, N. Carolina
W67AR	100	WCPE	57	NY	Willabro, New York
W67AS	10	WKSG	46	NY	New Berlin, New York
W67AV	100	WUNE	17	NC	Bryson City, Ala., Louisiana, Alaska, Almond, & Stecoah, North Carolina
K67CA	100	KDLN	3	MN	Big Fork, Marcell, and rural areas, Minnesota
K67CC	20	KSHK	44	CA	Booneville & Philco, CA
W68BH	100	WVEC	13	VA	Onancock, Virginia
K69CR	100	KDLN	3	MN	Big Fork, Marcell, and rural areas, Minnesota
K69CU	20	KQED	9	CA	Booneville & Philco, CA
W69AT	100	WDIO	10	MN	Hinkley & Pine City, MN & Grantsburg, WI.

TELETEXT UPDATE: I came across an article in a magazine stating that WETA, ch. 26 in Washington, DC, is experimenting with a British Teletext system called CEEFAX. I observed the vertical blanking of WETA several times last week, and noticed that they were definitely experimenting with something, using scanning lines 18 thru 20 (estimated) of both scans. (As I reported last week, the French Antiope system uses lines 16 and 17 of both scans. I remember seeing something similar to this on WCAU about a year ago; it looked like the Antiope system.) According to Advertising Age, 4/13/81, Field Communications plans to test a "KeyFax" system on WFLD in Chicago, using technology acquired from British Videotext Systems. Meanwhile, CBS is trying to merge the French Antiope and the Canadian Telidon Videotext System into one system with a common standard. Scheduled for May 20, 1981 in Toronto is a meeting called VIDEOTEX '81, which consists of the Canadian and French developers of these systems, AT&T, and CBS. CEEFAX is being left out of the meeting.

### TELETEXT (CONTINUED)

NBC is also getting interested in the Los Angeles experiment involving CBS (KNXT) and PBS (KCET), and plans to broadcast a third teletext magazine over KNBC-TV. Westinghouse is already giving thought to toying with the Antiope system over KPIX in San Francisco.

INTERNATIONAL NEWS: Israel is getting its second television station, much to its governments' dislike. A Honduras-registered vessel plans to broadcast color programs from off the coast to Tel Aviv. They are recruiting advertisers already. (Advertising Age, 4/27/81) Also, the Federation of Australian Commercial TV Stations (FACTS) is consulting with the Advertising Federation to put a stop to using lookalikes of famous people in commercials. Advertising companies are crying "Censorship." Lookalikes of Lady Diana Spencer (for a mineral water ad), Jimmy Carter (travel agency), Robert Redford (carpet company), and various Australian politicians (for household wares) were used. That's as bad as the guy with a Nixon imitation promoting a certain brand of recording tape! (Advertising Age, 5/11/81)

STV UPDATE: The Subscription Television Association said that in early April, 1981, there were 18 STV stations operating, with five more planned for this summer. Dallas has three STV stations. In order to fight decoder pirates, STV stations are talking newspapers into rejecting ads for unauthorized decoders. In January a US circuit court in Detroit fined and jailed marketers of unauthorized decoders. (Advertising Age, 5/11/81)

WWSG, ch. 57 in Philadelphia, PA, has already begun heavy promotion for subscribers, but according to an article in the Philadelphia Inquirer, they have to wait until WRVB, ch. 65 in Vineland, NJ is operational; some do with the fact that they are both Wometco affiliates (Wometco owns WHTM, ch. 68)

CBS REJECTS: WMAR, ch. 2 in Baltimore, is definitely going to be NBC. WAST in Albany expects to stay independent.

OKLAHOMA UPDATE: It seems like only recently did broadcasters find out that there's something between Kansas and Texas beside prairie dogs. Here are some additions and corrections from Danny Buntin: Antenna height for KTDQ-TV, ch. 14 in Oklahoma City is 1200ft; they are planning to increase power to 1000kw. KOKI (ch. 23, Tulsa) is operating 3200 kw. KGCT (ch. 41 in Tulsa) uses 1350 kw, HAAT is 1500 ft. KNUT (ch. 43 in Oklahoma City) is using 2000 kw, with news format from noon to 7:00 p.m. KNTV (ch. 9, OK City) is using a DOPPLER SYSTEM to monitor tornadoes and thunderstorms. It measures wind speed by radar, and displays it on a radar map using false color.

MORE FROM ROBERT GRANT: KUBN (ch. 33, Dallas) KGCT (ch. 41, Tulsa), & KAUT (ch. 43, Oklahoma City) all on and all STV. WLTV (ch. 12) & WSB (ch. 2, Atlanta) both ABC converts. WGPR (ch. 62) planning STV soon. FCC assigned ch. 29 to Fayetteville, AR, which is being used by KTVF.



**CONSOLIDATED HEARINGS** (another way of saying that FCC approval is getting harder!) from the Federal Register, April & May, 1981

- Daytona Beach, Florida, ch. 26; Comark Television, Inc.; Metrovision, Inc.; WTVV, Inc.; Daytona Broadcasting Company, Inc.; Life Style Broadcasting Company, Inc.; Daytona Beach Family Television, Inc.; Daytona Beach Television Corporation.
- Lansing, Michigan (ch. 53); Kare-Kim Broadcasting Company, Inc.; Benko Broadcasting Co.
- El Paso, Texas (ch. 26); Superior Broadcasting Company of Texas; Paso Del Norte Broadcasting Corporation.
- Indianapolis, Indiana (ch. 59); Channel 59 of Indiana, Inc.; Indianapolis Television Corporation; United Television Corporation of Indiana; Indianapolis 59, Inc. (ITVC and United have applied for STV approval; Channel 59 of Indiana is 51% owned by STV Station Corporation.)
- Birmingham, Alabama (ch. 68); Quality Media Corporation; Birmingham Family Television, Inc.; Celtic Media, Inc.
- Richardson, Texas (ch. 23); Buena Vista Telecasters of Texas, Inc.; International American Broadcasting Company, Inc.; Richardson Family Television, Inc.
- Florence, Alabama (ch. 26); Channel 26, Inc.; Alabama Management Company.
- Knoxville, Tennessee (ch. 43); Lloyd Hearing Aid Corporation; Knoxville Family Television.

**FCC HEARING:** (Kirkville, Missouri) KTVO-TV, ch. 3 (ERP Vis. 100kw; HAAT 1080') wants to move transmitter tower from its present location (4.5 miles east of Lancaster, MO) to 5.6 miles north of Knoxville, MO, change ERP Vis to 83.2kw and HAAT to 1970 feet. KCJB-TV, ch. 17 in Columbia, MO, objects to the move, since this will create an overlap in the Grade B contour areas of the two stations. Involved here is a UHF impact issue, where a UHF station or vacant channel could be adversely affected by a change in an existing VHF station.

**CHANGES IN FCC TABLE OF CHANNEL ASSIGNMENTS**

DELETE	DELETE
Sierra Vista, CA.....59z	Visalia, CA.....*43z
Fresno, CA.....43z	59z Kenbridge, VA.....*31-
Visalia, CA.....*49z	
Jacksonville, NC.....*19z	
Lumberton, NC.....*31z	
Roanoke Rapids, NC.....*36-	
Rockingham, NC.....*53z	
Victoria, TX.....*31z	
Farmville, VA.....*31z	

**CONSTRUCTION PERMITS GRANTED BY THE FCC:**

CH	ERP	HAAT	CITY/STATE/APPLICANT
17	440.5	1057	Grand Rapids, Michigan; TV 17 Unlimited, Inc.
24	4384	1161	San Juan, Puerto Rico; JEM Communications, Inc.

**CALL LETTERS APPLIED FOR (NEW STATIONS)**

CH	C.L.	CITY/STATE/APPLICANT
61	WGOT	Greensboro, N.C.; Guilford Telec.
17	WMAA-TV	Grand Rapids, Michigan; TV-17 Unlimited, Inc.

**CALL LETTERS APPLIED FOR (CHANGE EXISTING)**

CH	C.L.	CITY/STATE/EXISTING CALL LETTERS
2	KGAN-TV	Cedar Rapids, Iowa; WMT-TV
23	KTOU-TV	Anchorage, Alaska; KEMI-TV
23	WVED	Brownsville, Texas; KTDZ
	KITU-TV	Fairbanks, Alaska; KPAR-TV

**CALL LETTERS GRANTED (NEW STATIONS)**

CH	C.L.	CITY/STATE/APPLICANT
30	WBAH	Memphis, Tennessee; Memphis Area Telecasters
40	WRJK-TV	Bluefield, WV; Channel 40, Inc.
16	WTON	Key West, FL; Key West Television
19	WUNM-TV	Jacksonville, North Carolina; University of North Carolina
9	KDSE	Dickinson, North Dakota; Prairie Public Television
30	WWRW-TV	San Juan, Puerto Rico; La Pe Del Progreso Broadcasting Corp.

**CALL LETTERS GRANTED (CHANGE IN EXISTING)**

CH	C.L.	CITY/STATE/EXISTING CALL LETTERS
51	KUSI-TV	San Diego, California; KJOG-TV
11	WPXI	Pittsburgh, Pennsylvania; WTIC-TV

**CHANGE IN FACILITIES GRANTED BY FCC**

CH	ERP	HAAT	CITY/STATE/APPLICANT
5000	1518	Albany, Georgia; WJFT-TV	
11	45	705 Atlanta, Georgia; WXIA-TV	
27	2570	772 Marion, IL; WDDO-TV (change transmitter location)	
46	156	796 Clarksburg, WV; WLVJ	

**CHANGE IN CITY OF LICENSE GRANTED BY FCC:**

KTPK-TV, ch. 9 from Monahans, TX to Odessa, TX

**APPLICATIONS TO CHANGE CITY OF LICENSE:**

KDUR-TV, ch. 4, from May Springs, Nebraska to Scottsbluff, Nebraska

WGCB-TV, ch. 49 (presently Red Lion, PA) wants to identify itself as "Red Lion, Lancaster and York"

**MAJOR CHANGE IN AN EXISTING APPLICATION FOR NEW STATION:** Arecibo Video Corp., Arecibo, Puerto Rico, applicant for ch. 54; increase power to 11.78 kw.

**APPLICATIONS FOR NEW STATIONS**

CH	ERP	HAAT	CITY/STATE/APPLICANT
2	100	922	Denton, TX; Channel Two Foundation, Inc.
29	3192	803	Wilmington, NC; Wilmington Telecasters, Inc.
28	5000	1313	Hardeeville, SC; Business and Minority Coalition Broadcasters
69	3155	1906	San Diego, CA; Venton Corp. (other ref. = 685 kw)
8	316	1866	Knoxville, TN; Knoxville Broadcasting Corporation
36	2056	1416	Toledo, OH; Toledo Broadc. Corp.
67	1355	978	High Point, NC; Fox Media, Inc.
23	404.6	627	Decatur, IL; Decatur Foursquare Broadcasting, Inc.
40	1619	2022	Tucson, AZ; J.P. Communications
40	685	2010	Tucson, AZ; National Group Telecommunications of Tucson
7	2	262	Brawley, CA; SI-TV, Inc. (a real DX challenge!)
56	1194	1003	Melbourne, FL; Broadcast Production and Management Corp.
51	3083	1091	Longview, TX; KLMB, Inc.
42	1545	557	Paris, TX; KLMB, Inc. (KLMB is an existing station in Texas)
39	586	646	Parkersburg, VA; Eastern Associated Services

(more applications on next page.)

**APPLICATIONS (CONTINUED)**

CH	ERP	HAAT	CITY/STATE/APPLICANT
49	1600	907	Racine, WI; Racine Television Co.
4	100	272	Lander, WY; The Chrysothos Corp.
4	100	1515	Lander, WY; Central Wyoming College
27	692	620	Reno, NV; High Country Broadc'g
27	877	2930	Reno, NV; Country Broadcasting

(those last two are from different sources and the applicants seem oddly similar)

**APPLICATIONS FOR MAJOR CHANGE IN FACILITIES**

CH	ERP	HAAT	CITY/STATE/APPLICANT
4	1542	n.c.	Fayetteville, NC; WKPT-TV
19	2504	n.c.	Johnstown, PA; WJNL-TV
9	133	483	San Antonio, TX; KLSN
54	4645	n.c.	Baltimore, MD; WBUV-TV (not yet on as of 6/1; will be STV)
35	4036	986	Richmond, VA; WRHP-TV
26	5000	2000	Visalia, CA; KMPH
46	156	796	Clarksburg, WV; WLVJ

**KCET FIGHTING TO KEEP LICENSE, BUT FCC TURNS A DEAF EAR (LITERALLY):** During the years 1977 and 1978, all eight Los Angeles stations were up for license renewal, and a group of hearing-impaired individuals petitioned the FCC to deny every one of them because of discrimination against them (When you consider that ABC and NBC each spend only a few hours with closed-captioning per week, and that's more than the other commercial stations, you can see their point.). While the FCC saw fit to renew all seven commercial licenses, they denied renewal to KCET, the local PBS station, which has more closed-captioning than any of the others. Why? Because KCET receives federal funds. According to section 504 of the Rehabilitation Act of 1973, recipients of federal funding are bound to serve the interests of handicapped persons, including deaf. And having about 10 to 15% of their programs captioned amounts to discrimination. The issue is now in the US Court of Appeals.

**FIRST LOW POWER GRANT BY THE FCC:** According to BROADCASTING, 5/18/81, the FCC granted a construction permit for the first low power television station to John W. Boler, which will operate on ch. 26 with 1000 watts for a 40 square mile area around Bemidji, MN. He plans a combination of local programming, Pay-TV, satellite rebroadcast, and rebroadcast of an independent station. (Actually, LPTV has been around for a long time; ask WQMC in Wildwood, NJ, how long six AA penlite batteries last them. Why do you think they changed their call letters to WAAT?)

**REMINDERS:** Send in whatever information you have on network changes, stations going off the air, stations going STV (maybe I could print a complete list of STV stations), all information you can find on Canadian, Mexican, Cuban, etc. stations. Don't forget to send a self addressed stamped envelope (Long size) if you want either the FCC table of television channel assignments, or a list of new television applications published in the Federal Register from October, 1979 to December, 1980. Also, if you have questions about any TV station or translator, maybe I can look it up.

**UPDATE FROM PETE TAYLOR:** KPTV, ch. 50 in Santa Rosa, CA is now broadcasting on a regular schedule.

**ARE THE FOLLOWING STILL ON THE AIR?** Robert Grant notes that the following are not listed in local TV Guides: WNEH, ch. 25 in Boston, MA; WNYE, ch. 25 in New York, NY; WHPV in Fredericksburg, VA; and KVPD, ch. 50 in Fort Dodge, IA. (oops! WHPV is ch. 69) Actually, I've noticed lately, and so have others, that the TV Guide is not as complete as you would think. It took months before they acknowledged WMDT-TV in Salisbury, MD, and I think the Baltimore-DC and Eastern Virginia editions are still omitting some stations.

**SPANISH STATIONS IN THE UNITED STATES:** ADVERTISING AGE, 4/6/81, contained an article on Spanish stations, and contained these stations:

KSCI	ch. 18	San Bernardino, CA
KBCS-TV	ch. 52	Los Angeles, CA (also STV)
WNJU-TV	ch. 47	New York, NY
KEON-TV	ch. 20	Houston, TX

The following are affiliates of SIN (Spanish International Network)

KWEX-TV	ch. 34	Los Angeles, CA
KWEX-TV	ch. 41	San Antonio, TX
WLTV	ch. 23	Miami, Florida
KPTV	ch. 21	Hanford, Calif.
WXTV	ch. 41	Patterson, NJ

The following is a list of translators (not from the article)

K27AF	Las Vegas, NV (KWEX)
KAZKG	Denver CO, ch. 31 (KWEX)
W35AB	Philadelphia, PA (WXTV)
K48AL	Poway, CA (KSCI)
K48AM	Albuquerque, NM (KWEX)
K55CP	Victoria, TX (KWEX)
KAZJH	Washington, DC, ch. 56 (KWEX)

If you know of other Spanish stations, send me a list.

**MORE TRANSLATORS** (I knew when I started this fourth page that I'd have trouble filling it)

K14AC	1000	KDIN	11	IA	High Point, Iowa
K25AB	1000	KDIN	11	IA	Mount Ayr, Iowa
K31AC	1000	KDIN	11	IA	Canterville, Iowa
K41AD	1000	KDIN	32	IA	Lansing, Iowa
K65BY	100	WJAN	17	OH	Waterloo, Iowa
W65AS	100	WJAN	17	OH	Crowley, Louisiana
K62BH	100	KDLH	3	NM	Max, Minnesota
W12BD	1	WLOS	13	NC	Old Fort & Greenlee, NC
W65AT	100	WUNE	17	NC	Marion, North Carolina
W55AN	100	WAST	13	NY	Frankfort, Ilicon, Mohawk & Utica, New York
W56BR	10	WCHY	24	NY	Dundee, New York
W63AN	100	WAST	13	NY	Dolgeville, Herkimer, Little Falls, New York
W58AN	1000	WNEO	45	OH	Youngstown, OH
K58BD	100	KIVV	5	SD	Long Valley, SD
W67AT	100	WCYB	5	VA	Pickingsville, VA

Note on Bonaker, VA: Two conflicting sources have W51AB and W51AD.

**ILLEGIBLE ON THE MAY COLUMN** was that ch. 7a was assigned to Roseman, Montana. I used correction fluid there, but apparently the printer picked up the mistake.





# SOUTHERN FM DX

Danny Buntin, editor  
1312 N. Skyline  
Stillwater, OK 74074  
DEADLINE: 10th

JULY 1981

For FM DX reporters from: AL, AR, AZ, CA, CO, DE, FL, GA, KS, KY, LA, MD, ME, NC, MN, NV, OK, SC, TN, TX, UT, VA & WV

## 1000 MILE DUCTING RETURNS JUST LIKE LAST YEAR!

As this is written it looks as if some classic DX history is repeating itself. The May-June weather pattern in the Southwest, consisting of weeks of monsoon-like rains abruptly replaced by clearing skies and record-breaking heat with a slow cold front nearby, has climaxed in an outbreak of long haul tr, remarkably similar to June 1980. Initial reports show that Oklahoma has heard from Virginia and South Carolina representing a distance of around 1000 miles. Since this fantastic opening occurred so close to deadline, the extent of it can only be partially realized this month. Hopefully more can be learned next month, so please report.

Interestingly, this season is also behaving similar to 1980; it was late getting started. The May 22-June 4 period has had several good openings, but nothing very far out of the ordinary in, so far.

Rick Sanford, 404 S. McNeill, Burnet, TX 76811 - May 6 to June 7 CDT

5/12 tr  
0915 WRPM 107.9 MS Poplarville, m  
1001 KZZB 95.1 TX Beaumont, ex-KALO, now r  
"B-95-FM"

5/13 tr  
0854 KBIM 94.9 NM Roswell, ID, ABC Y nx  
0917 KHNL 94.9 NL Monterrey, Sp. nx, same  
heading as KOYE

5/22 Es  
1617 WKID 94.7 KY Mayfield  
1618 WBRK 92.5 KY Owensboro  
1621 WSAI 94.1 OH Cincinnati, k  
1628 WSRW 106.7 OH Hillsboro, k  
1630 WEMH 107.9 WV Huntington, g  
1633 WERN 102.7 OH Cincinnati  
1636 WTCO 103.9 KY Campbellsville  
1638 WKRQ 101.9 OH Cincinnati  
1643 WFPK 91.9 KY Louisville  
1644 WVLK 92.9 KY Lexington  
1646 WSLW 98.9 IN Salem  
1648 WHOP 98.7 KY Hopkinsville, ad, sports  
1659 WHEH 99.3 KY Harrodsburg  
1650 WMDH 102.5 IN New Castle, k  
1652 WPRR 102.7 IN Terre Haute  
1658 WTHI 99.9 IN Terre Haute  
1705 WBSB 96.1 WV Charleston, CBS nx  
1709 WAMX 93.7 KY Ashland-Huntington WV  
1715 WTIQ 102.7 WV Charleston, m  
1716 WKOQ 100.3 KY Hopkinsville, wx  
1718 WGGC 95.1 KY Glasgow, Swap'in Shop  
1721 WLAJ 94.5 KY Lexington, r  
The Music FM 94 1/2  
1726 WFCB 94.3 OH Chillicothe, r, The  
Memory Marathon show  
1728 WYPC 101.5 OH Gallipolis  
1729 WPAJ 104.1 OH Portsmouth, M nx

5/26 tr  
0925 KSEL 93.7 TX Lubbock, Rock-93  
0956 KIKE 94.3 TX Del Rio, AM Del Rio  
talk show, thru KPFM  
1000 KGNZ 88.1 TX Abilene, g, "Your Good  
News Music Station, TX #216

5/26 tr  
1003 KHFL 99.7 COA Ciudad Acuna, SS & EE  
IDs, American rock, mono  
1056 KKQQ 99.1 NM Clovis, pea  
1102 KTQM 99.9 NM Clovis

5/28 tr  
0535 KASC 104.9 LA Abbeville, ex-KROF  
0611 KSMH 94.5 LA Lafayette, K-94  
0622 KEAZ 101.7 LA De Ridder, auto k,  
Bill Robinson Show  
0637 KBIU 103.7 LA Lake Charles, ex-KERA  
0647 KTTZ 96.9 LA Alexandria, s, National  
Black Net., nx at 0700  
0856 KYFI 93.5 LA Ville Platte  
0904 KBIM 94.9 NM Roswell, nx, nx  
1000 KAGV 89.9 TX Amarillo, Mutual Lifestyle  
Report, p

5/29 tr  
0032 WQXY 100.7 LA Baton Rouge  
0032 WAJY 101.9 LA New Orleans, Joy-102, nx, ID

5/30 Es  
1239 KIIS 102.7 CA Los Angeles, Kiss  
1240 KIQQ 100.3 CA Los Angeles  
1242 KEZA 93.9 CA Los Angeles, k  
1243 KMET 94.7 CA Los Angeles  
1257 KIMS 97.5 CA Santa Barbara  
1250 KRUZ 103.3 CA Santa Barbara, EZ  
1254 KNTC 94.3 CA Barstow, Angels BB  
1258 KPRA 92.5 CA Paso Robles  
1259 KRXV 98.1 CA Yrebo, ID w/KXVR 99.5

6/4 Es  
1106 KFAC 92.3 CA Los Angeles  
1117 KMET 94.7 CA Los Angeles  
1120 KBIG 104.3 CA Los Angeles, m  
1123 KIKF 94.3 CA Garden Grove, ad, k,  
94-Kick-FM  
1125 KBNY 95.1 CA Ventura-Oxnard  
1127 KHTZ 97.1 CA Los Angeles,  
K-Hits Beach Report  
1130 KGBR 88.5 CA Mission Viejo  
1137 KNOB 97.9 CA Long Beach, 98-K-Knob, m

cont.

SOUTHERN FM DX

Sanford, cont.

JULY 1981

6/4 Es  
1140 KVCR 91.9 CA San Bernardino  
MUF 107.5 @1142

1143 KWXY 98.5 CA Cathedral City, ad for  
Palm Springs business

So far the skip season seems to be running about average, with no day long sessions yet observed. Several very heavy rains in late May and early June contributed to the virtual nonexistence of trop activity during this period. Tropo will have to be very good in June and July to make up for what we have missed in March, April & May. 73e, Rick.

George Rogers, 320 Lafayette Rd., Chickamauga, GA 30707

Equipt: General Electric Superradio #7-2880B

4/24 tr  
0730 WWHB 102.5 AL Jasper, ad 191  
0730 WPCP 93.3 MS Houston, nx 230  
0740 WPEZ 107.9 GA Macon, m 198  
0745 WRCK 106.3 AL Sheffield, ada 173  
0800 WKRG 99.9 AL Mobile, r 385  
5/3 tr (in from Radcliff, Kentucky)  
0945 WRVG 90.1 KY Georgetown, J 75  
0950 WLBH 96.9 IL Mattoon, m 200  
0950 WRUL 97.3 IL Carmi, k 137  
0952 WAGF 98.5 IL Paris, k 193  
0955 WCSI 101.5 IN Columbus, k 113  
0957 WRIA 101.3 IN Richmond 150  
0958 WKHI 100.5 IN Kokomo 193  
1000 WBOQ 107.5 IN Terre Haute, nx 185  
1000 WDLN 102.1 IL Danville, r 237  
1045 WFCI 89.5 IN Franklin, rp 129  
1050 WHIO 99.1 OH Dayton, m 185  
2125 WICR 88.7 IN Indianapolis, r 140  
2150 WJEL 89.1 IN Indianapolis, 10wts. 140  
2157 WGGT 92.3 OH Columbus, r, 92X 240  
2212 WBRK 93.3 OH Chillicothe, k 210  
0800 KODA 99.1 TX Houston, nx, prev. Es  
tr  
0825 WLMH 97.9 IN Anderson, bb scores 185  
0840 WPCJ 93.7 OH Mansfield, g 183  
0955 WYTS 100.7 IN Terre Haute, r 185  
0955 WPRR 102.7 IN Terre Haute, pr 185  
0957 WPAJ 104.1 OH Portsmouth, g 245  
2120 WKGE 100.5 WV Huntington, r 200  
5/5 tr  
0855 WCIL 101.5 IL Carbondale, nx 123  
0927 WPSR 90.7 IN Evansville, big bands 112  
1100 WNKJ 89.3 KY Hopkinsville 85  
1305 KADL 94.9 AR Pine Bluff, nx 330  
1307 KLPQ 94.1 AR Little Rock, r 315  
5/6 ms (back in Chickamauga)  
1350 WKQK 93.9 MN Hibbing, wx 1239  
1350 WSCD 92.9 MN Duluth, prev. Es 1154  
5/8 tr  
1655 KHLS 96.1 AR Blytheville, nx 320  
1715 WROQ 95.1 NC Charlotte, rp 307  
5/12 tr  
1945 WQUT 101.5 TN Johnson City, r 225  
1955 WKTP 93.9 KY Madisonville, Reds bb 228  
2000 WHOP 98.7 KY Hopkinsville, k 195  
2015 WBRK 92.5 KY Owensboro, k 262  
2300 WCKQ 103.9 KY Campbellsville, r 215  
5/13 tr  
0800 WKQK 98.1 KY Lexington, r 292  
0845 WCAK 92.7 KY Catlettsburg, sports 380  
0850 WLAP 94.5 KY Lexington, rp 292  
0855 KAJN 102.9 LA Crowley, g, like local 595  
0900 WPMI 100.1 KY Winchester, rp 290  
0930 KWEZ 104.1 LA Monroe, m #1385 475  
0955 WPMF 102.5 LA Baton Rouge, nx 531

My goal for this dx season is 1500 stations with a lot of luck and lots of E-skip and tropo. Remember we're gonna have dx fun in '81.

Ken Simon, 513 6th Ave, South, Lake Worth, FL 33460

12/26-80 gv  
1930 102.3 WHLC FL Jensen Beach, g, new local  
5/22 Es  
1828 90.3 WBLCL IN Fort Wayne, ID  
1829 90.1 WRMU MI Marquette, ID, end ATC  
5/26 Es  
1735 90.1 WUSB NY Stony, rock Bohemia ment.  
1800 90.1 WHEA ME Portland, ID  
1804 93.7 WLVH CT Hartford  
1808 93.7 WCGY MA Lawrence, ID & promo  
1812 95.1 WRKI CT Brookfield, I-95  
1817 103.9 WRCH NY Riverhead, ID  
1822 107.3 WAAF MA Worcester, ad, wx  
1829 107.1 WUOU NJ Long Branch, ad, 107 FM  
WRNW NY Briarcliff, ID  
1830 107 WJFJ ?? ID  
1835 105.5 WQCR?? NY/NJ area, ad, Q-105  
WBAT ??  
1837 104.1 WLOP CT Waterbury, Magic 104  
1845 107.5 WBLB NY NYC, ID  
1847 100.1 WJHZ NJ Manahawkin, ads, ID  
1854 102.9 WDRR CT Hartford, "DRC" ID  
5/26 Es, cont.  
1856 101.9 WPOP ME Portland, ID  
1903 99.1 WPLE CT New Haven, ID  
1908 92.5 WHAV MA Haverhill, ada  
1916 92.5 WHTZ CT Watertown, FM92 ID  
1918 93.3 WMMR PA Philadelphia, ID  
1926 94.7 WENE NJ Newark, g  
1936 95.7 WFLW PA Philadelphia, c  
2038 96 WNEY ?? ID fadeout 1945  
2132 93 WSNR ?? ID, wx, FM-93  
2135 88.5 unID Rocking Richard show, winner  
of phone in -934-9296--in New Haven, ct  
2140 93.7 WLVH CT Hartford, SS w/ID  
2142 91.1 WPMU NJ East Orange, w/call-in, ID  
5/28 Es  
1718 89.1 WNYU NY New York City, ID  
2003 89.9 unID jazz w/hoet Eric Jackson EDT to  
1958 93.1 WHEX ME Portland, ada  
WHYN MA Springfield, ID  
2022 95.1 WZZO PA Bethlehem-Allentown, Z-95, ads  
2031 93.7 WLVH CT Hartford, SS  
2036 88.7 WHTY CT West Haven, concert asked.  
2100 90 WUCF FL Orlando, nx (tr)

More reports cont....

Charles George, 6407 Howard, Dallas, TX 75227 CDT

5/13 (all tr)  
 2310 KSEL 93.7 TX Lubbock, "Rock-93", r, RKO  
 0020 KVRP 95.5 TX Haskell, k, "Stereo 95"  
 0040 KPMX 94.5 TX Lubbock, rp, "94-FMX" T nx  
 0050 KMYV 103.3 TX Midland, m  
 0730 KQVQ 103.3 TX Wichita Falls, ex-KNTO  
 0750 KIMT 96.7 TX Marlin, k

5/18  
 0700 KMWY 95.9 TX Mineral Wells, k

This time last year was getting many of the Houston stations often, but only station from Houston in is KUHF 88.7.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074 - May 24 to June 11

Equipt: Pioneer TX-9100 tuner, Antennacraft GFM-10 3/4 ft. high, rotor

5/24 Es  
 1920 KEZJ 95.7 ID Twin Falls, ID 1030  
 1930 KVMT 104.7 OO Vail, wx, close Es  
 1932 KNAQ 92.1 ID Rupert, ID  
 1956 KMTW 96.5 ID Twin Falls  
 2030 KBXL 94.1 ID Caldwell, ID 1200

5/27 Es  
 0950 WDSY 107.9 PA Pittsburgh  
 0952 WRKZ 106.7 PA Elizabethtown  
 0957 WKXX 96.1 PA Pittsburgh, "96KX"  
 1000 WHMC 98.3 PA Mifflintown, ID  
 1000 WKXX 94.1 PA Sunbury, ID  
 1001 WKTL 90.7 OH Struthers, ID  
 1003 WWSW 94.5 PA Pittsburgh "JWS"  
 1005 WVPW 88.9 WV Buckhannon  
 1007 WFBC 98.1 PA Altoona, wx  
 1024 WMYB 98.1 MA New Bedford-Fall River (1445 mi.)  
 1028 WFJB 105.1 RI Providence, ad "JB-105"  
 1029 WQYT 98.1 NY Binghamton, ID

5/28 tr  
 0921 KFER 95.7 NM Hobbs 420  
 0930 KBAT 93.3 TX Midland, k, nx, ID 400  
 2200 KFMV 107.9 AR Magnolia 300  
 2215 KCOL 107.3 TX Lake Jackson, g, ID  
 2220 KKKQ 107.5 LA Ruston, ad 360  
 2224 KNUQ 102.1 TX Clear Lake City, ad 485  
 2239 KFMK 97.9 TX Houston, ID 460  
 2245 KQUR 102.9 TX Houston, "K-Q"

6/3 Es  
 1245 KHMAT 99.5 SIN Mazatlan, ID in English  
 2153 KOTV 104.5 OK The Dalles, ID 1410  
 2159 KFXD 94.9 ID Rampa, ID 1160  
 2108 KSNW 93.7 ID Pocatello, ID 950

6/6 tr  
 0120 KJHK 90.7 KS Lawrence, rp 260  
 "the 100 wt. sound alternative"  
 2115 KVRP 95.5 TX Haskell, k, new to air 260

6/8 tr (super)  
 0938 KJFH 94.3 TX Ft. Stockton 500  
 (also others in from all over the Texas panhandle)

2058 WIVK 107.7 TN Knoxville, ID, k 735  
 2100 WKYV 106.7 MS Vicksburg, ID 445  
 2113 WKBK 92.3 TN Milan, k 460  
 2139 KHTX 97.5 TX Waco, ad 320  
 2151 KLRB 90.5 AR Little Rock, ID 290  
 2155 KTYL 93.1 TX Tyler  
 2159 KTBZ 96.9 LA Alexandria 435  
 2204 WQLT 107.3 AL Florence, strong \$ 540  
 2231 WKIR 104.1 TN Jackson 460

(super strong, over KOPM of OKG)

5/21  
 0700 KLAU 101.5 OK Lawton, k  
 1230 KEBE 106.5 TX Jacksonville, k  
 1235 KBFM 104.1 TX Edinburg, pop mx  
 1325 KIOV 96.5 TX Corpus Christi, m  
 1312 KIPR 95.5 TX Dibal, k  
 5/28  
 0745 KMFM 96.1 TX San Antonio, g  
 0755 KRLT 94.5 TX Harlingen, k  
 0800 KQXT 101.9 TX San Antonio, m, "FM-102"

6/8 tr  
 2300 KUCA 91.3 AR Conway, ID 275  
 (in against local KGSU despite 59' tower)  
 2318 KWKK 102.3 AR Dardanelle, ad "Quick 102"  
 2325 KRTU 88.5 TX Denton, ID  
 2353 KMMK 95.3 TX McKinney  
 2357 WNOO 89.9 LA New Orleans 595  
 2359 KUHF 88.7 TX Houston 460

6/9 tr, cont.  
 0000 WUPV 88.1 FL Pensacola, ID 695  
 0005 KFXE 92.3 AR Pine Bluff 320  
 0008 KYKR 93.3 TX Port Arthur 475  
 0034 KNOE 101.9 LA Monroe 400  
 0036 WKXX 106.9 AL Birmingham "Kix 106" 620  
 0105 WBMH 90.3 AL Birmingham  
 0131 KROZ 92.1 TX Tyler, ID 290  
 0134 WJDO 101.3 MS Meridian "Q-101" 545  
 0139 WATD 106.3 MS Glarksdale, ID 390  
 WMBW 88.9 TN Chattanooga 675  
 0619 KUFO 97.9 TX Odessa, ID 420  
 0636 KCRH? location not known, on 103.1  
 0647 KMLA 103.9 AR Ashdown, ID, lake rpt. 240  
 0655 WQNZ 95.1 MS Natchez, r, ad 460  
 0700 WTSU 89.9 AL Troy, ID 710  
 0727 KSTA 107.1 TX Coleman  
 0836 KSNY 101.7 TX Snyder, ID, m 325  
 2034 KHOO 96.7 TX Mineola, ID  
 2100 WJFS 106.7 SC Orangeburg, g, ID 960  
 2200 WJJA 88.1 SC Sumter 970  
 2214 WIVK 107.7 TN Knoxville 735  
 2229 KNNM 98.3 TX Stephenville, ID  
 2252 WQLT 107.3 AL Florence 540  
 2306 WLRH 89.3 AL Huntsville, ID 610  
 2359 KGNZ 88.1 TX Abilene, g, mono, s/off 300

And shortly before midnight the cold front passed through and silenced most everything to the east. After seeing and feeling the heat and humidity rapidly climb 97 degrees, 60% humidity isn't easy to bear! I figured dx had to break loose from the skies. However, I didn't expect to get SC so soon again after that state came in on the classic ducting of last June. When I tuned in WMBW, Chattanooga, mention was made of a caller from Okla. City. The station forgot to get the caller's name and wanted a card from him. "We want to know who you are", WMBW said. I got word from John Zondio that he was the one they were after. He also had Roanoke, VA in on 89.1, clearly. Probably John will have his report in next month. I expect to make it to the WFDX convention in OKC hope to see many of you there. 73

## NORTHERN FM-DX

Ralph Strobel, editor  
 2510 E. McGalliard Rd.  
 Muncie, Indiana 47303  
 Deadline: the 10th

JULY 1981

For FM DXers in Canada, the Northwest-Central states of WA OR ID MT WY ND SD NE MN IA MO and states east of the Mississippi River and north of the Mason-Dixon Line.

E-SKIP BEGINS IN MAY

Saul Chernos - c/o P.O. - Burnt River, ON. KCM 100  
 Equipment: Sony TFM-1102 with Rabbit Ears

4/24 tr  
 2144 WRRW 92.3 PA Warren, ID, EKL nx 210  
 4/25 tr  
 0815 WLT 92.3 OH Cleveland Heights, ID 285  
 1551 WML 91.7 MI Alpena, ID WML/WCMU 250  
 4/25 ms  
 0645 unID 92.3 ad for grand opening:  
 "Stateline Speedway" car racing  
 1546 unID 92.3 ad for "Payne's Plaza"  
 4/26 tr  
 0840 CBE 89.9 ON Windsor, CBC-4 280  
 1000 WGLN 91.3 PA Erie, ID on hour 190  
 1106 WREO 97.1 OH Ashtabula, 245  
 not WFOH as I reported earlier!  
 4/26 ms  
 1240 WESC 92.5 SC Greenville, SC wx 730  
 4/26 au  
 0711 WTCM 103.5 MI Traverse, 355  
 ID's in dense hash  
 0730 WIAA 88.3 MI Interlochen, War. ID 365  
 0754 WWRM 106.7 MI Gaylord, "Warm-107" 315  
 0800 WJGE 98.5 MI Houghton Lake, 325  
 ID in mess of hash & CCI  
 1730 WVR 89.1 VA Roanoke, ID & QTH, 540  
 Had to leave. Bats!  
 5/15 tr  
 0245 WMO 104.3 MI Detroit, 290  
 ID in fade-in  
 1523 WGW 104.3 NY Utica, 215  
 ID in fade-in  
 1631 WIAA 88.3 MI Interlochen, 365  
 PSA for ? in Traverse City  
 5/15 au  
 0503 WREZ 103.7 VA Richmond, 510  
 Right where I left off!  
 1745 WREZ 103.7 VA Richmond, 510  
 ID & QTH again!!!  
 5/16 tr  
 0715 WNIC 100.3 MI Dearborn, ID, T-40 295  
 0740 WTCM 103.5 MI Traverse City, ID 355  
 0800 WCMU 89.5 MI Mt. Pleasant, 330  
 ID for WML/WCMU  
 0819 WROV 89.9 NY Oswego, ID 145  
 & a/on type info. (New calls are WRLZ-RS)

The period I am reporting represents the only time spent up at the DX shack up north in all of April/May. I decided to start digging behind the auroral hash which is frequent up here. Until I joined WFDX, I thought hitting the radio would stop all that noise!! Little did I know. The "worst" times for this noise here seems to be the non-trop/skip months of late Sept. to early June and a bit in the summer when tr/s aren't happening. I also was able to send a few QSL reports, and in most cases, I had no trouble with ID-ing. Just turned the rabbit ears...one north, one south, and often in the direction of the station. The "due north" thing does not seem to apply to my radio, except that the antennae must go in the exact opposite directions. As for my MS unIDs, especially the Stateline Speedway, is a brand new car racing place. Surely someone in WFDX is near it. Whoever can solve that or other unIDs will get a nice package of promo stuff &/or my local TV guide...his or her choice. Just write me. All correct solutions win, not just the first! May E-skip inundate us all.

+ + + + +

73's, Saul Chernos



Andy Bolin - 709 Lincoln - Charleston, IL 61920

2/6 Au 1745-1840 lots of Des Moines & Cleveland. 3/23 MS @1259 KSET 94.7 El Paso TX (1140). 4/12 0030-0215 Au broadcast WABR 88.3 Syracuse NY (630) and WAMU, WKYE both DC (595). 4/13 Au @0100 KC-EZ 94.9 KC; 0124 WIVK 107.7 Knoxville TN; 0126 WLRS 102.3 Louisville KY. 4/26 Au 1615-1700 mostly Des Moines & St. Louis. 5/6 Es @1344 KRAI 93.7 Craig CO (1025) & KFKZ 96.1 Greeley CO. 5/10 Au and the rare AEs began at the same time on TV @2315. The AEs NUP just missed FM. 5/11 Au (cont.) 0001 GRE 89.9 Windsor ON s/off; 0003 KANU 91.5 Lawrence KS s/off; 0010 CMLL 93.5 London ON s/off, then mostly noise til 0120. 5/12 Tr @2000 WRAS 88.5 Atlanta (445). 5/13 Tr @0045 W-EZ-C 104.7 Charlotte NC (505); 0100 WJSG 8/R 101.7 Athens TN (340); 0750 WTCO now "Super Q" WQCK 91.9 Campbellville KY; 0759 WRSL mono/ax 95.9 Stanford KY; 0812 WKMG s/promos 104.9 Leitchfield KY; 0815 WLSK ax/wx/4 Lebanon KY. 5/22 INTERSE Es @1530 XHAAA, XHSRO & XET. 1543 XEML changes to 3/EZ 94.9 Monterrey NL (1190); 1546 XEML "M-U-S-I-C, 3 Hollywood" w/R 91.7 Monterrey; 1559 XEML "3 sie7e" w/R 107.7 Monterrey. I had no luck IDing the new 101.3 & 102.1 in Monterrey or 102.5 Reynosa. @1645 KQUL s/R/P/jingles 95.9 Port Lavaca TX (905). Then 1715-1805 some NYC, NJ, MA relays were WCTO, WMYB, WGBB, WNCN, WNYC, WPLJ, WQXR, WPAT & WVNJ. 5/24 Es @1105 KAMA 93.1 El Paso TX. 5/28 Es 1115-1155 from NM were KIKK, KBIM & KBNV. @1140 KNIT w/KRM-AM siml/mono/upbeat MOR-almost rock 95.3 Portales NM (925). Later more Es from W. TX, NM & MX brought KFIN, KLAQ, KHPK, XHEM, XETO, K-LIT, KOB, KTDB from 1950-2105. I won't even tell you about the surprise in El Paso on 93.9. 2125-2155 WNCU, WLEN & WMTI all Miami FL (1045). 5/29 Es @0920-1105 from CT was WHEU; from NY was WHUC, WAMG; from MA was WERS, WGBB, WSOX, WJPD, WHLM, WPCR & WRAV now calling itself "wave"; from NE was WXLQ, WHOM; from ME was WMGX, WXXA, WABK, WQDY & WVOU.

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Morris Sorensen - General Delivery - Amaranth, ME BOX 080

Rx: Panasonic RF-2800 w/"whip" antenna located on third (top) floor of small hotel.

5/3 tr	1254 KDUZ 97.1 MN Crookston, "8-97"	350km	5/25 tr	2057 KVTN 94.7 ND Grand Forks	320km
2006 KIZZ 93.7 ND Minot, "8-94"	322km	2059 KBTO 101.9 ND Bottineau	233km		
5/15 tr	0010 CBWY 92.7 MB Jackhead Harbor		2318 CBWA 101.3 MB Manigotogan, 154w		
0018 CBWE 104.3 MB Fairford	112km	2333 FVOX 99.9 MN Moorhead			
5/20 tr	1900 KODI 94.5 ND Bismarck,		5/26 tr	2257 KFJM 89.3 ND Grand Forks	320km
(thru CHIQ splatter)			Lots of tropo this month, but no Es.		
			Time - CDT	73, Morris	

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Bob Zent - 1835 Fruit St. - Huntington, IN 46750

5/13 tr 0629 WUTC 88.1 TN Chattanooga 415

Spent the last half of May visiting friends in northwest New Mexico in the little town of Crownpoint, which is about 100 miles NW of Albuquerque and 7200 feet above sea level. Although these friends are not DXers, they have a top flight Pioneer receiver and I was able to do some DXing. Normal reception consists, surprisingly, of several Albuquerque stations: KLIT 88.3, KUNM 90.1, KRST 92.3, KOB-FM 93.3, KXKL 94.1, KZZX 99.5, KKJY 100.3 and a very faint signal from KHPM 96.3. Also a station in Farmington and two from Durango, CO about 110 air miles. All this with only an indoor dipole. The stations in Gallup, 40 air miles, were very difficult to receive because of a nearby mesa.

As for DX: On 5/25 at about 1630 MDT a 15 second burst on 96.3 overrode KHPM and IDed as KADI St. Louis. I assume this was meteor scatter, but am very surprised to have logged it with an indoor antenna! On the morning of 5/29 at about 1000 MDT an E-skip opening into Louisiana and East Texas. Logged KYKR "kicker" 93.3 Port Arthur, TX. Also several unidentifieds in Louisiana.

I also visited Sandia Crest, NE of Albuquerque, the transmitter site of Albuquerque's TV and FM stations.

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Harry J. Hayes - 9 Henry St. - Wilkes-Barre, PA 18702

Equipment: GE Superadio, FM-4G Antenna at 25 ft., w/CH VHF amp. at Thornhurst, PA

4/19 as	1901 WMYK 93.7 NC Elizabeth City, 390 mi.
5/22 as	1730 KBFC 93.5 AR Forrest City, ID
	1740 KSSN 95.7 AR Little Rock, strong
	1820 KRFO 93.5 MO Greenfield, AOR, ID, "That Greenfield Station"
	1824 KSD 93.7 MO St. Louis, "K8-94," Coke ad supporting loc. police
	1830 KVPW 93.9 MO West Plains, "The Great Ones"
	1830 KRMST 93.5 MO Osage, ment. Camdenton, L. Omark and Laurie
	2030 WPFM 107.9 FL Panama City, ID, strong

1981 so far, for skip and even tropo, is a bummer as of 6/5. Let's hope for a change.

Richard E. Wood, Ph.D. - 1922 Rampart St. - Cape Girardeau, MO 63701  
Equipment: SAE 8000 w/indoor rabbit ears (tower still under construction at new QTH).

5/22 Es	1630 KET 94.1 NL Monterrey, 3 rancheras, till 1718	950
	1633 KOYE 94.9 TX Laredo, "8-95," m	890
	1633 WLVB 93.7 CT Hartford, SS PSAs, US-accented SS jingle	950
	1656 WSOX 94.9 MA West Yarmouth, Cape Cod mx	1025
	1656 WVIC 96.5 CT Hartford, "VIC-FM, traffic report, m, verified quickly w/card, T-shirt	950
	1701 KBOP 98.3 TX Pleasanton, local mx, verified w/letter and bilingual bumper stickers	790
	1705 XHAAA 93.1 TA Reynosa, "XN-triple A," "Estéreo Recuerdo en la nostalgia musical," most common Es station here but still not verified.	900
	1706 WYTH 93.1 MA Springfield, "WHIN Action News," stocks	975
	1710 WNGX 93.1 ME Portland, live m DJ show, PSAs	1100
	1714 KYOU 96.5 TX Corpus Christi, local bank ad	820
5/27 Es	1030 WVEP 92.9 VT Burlington, timescheck, Burlington Intl. Airport	975
5/29 Es	0915 WVEP 92.9 VT Burlington, c	975
	0925 CHCU 93.1 ON Ottawa, hard r, strong Canadian EE accent	920
	0930 CJMP 93.3 PQ Québec, "Les informations CJMP," Centre Norman-die, Route Trans-Canada ads, solid	1165
	0936 CFCQ 93.9 PQ Trois-Rivières, FF interview w/accented anglophone, Québec chansons, non-commercial	1100
	0941 GJFM 94.9 PQ Hull-Ottawa ON, German pop song, FF DJ, Ottawa items	920
	0945 WHOM 94.9 NH Mt. Washington, ad for "Heritage NH," m	1150
	0955 WNGX 93.1 ME Portland, "The Source," booming	1105
	1000 CHM 93.5 PQ Montréal, substitute programming due to protracted CBC strike, mx read drably, apologies	1010
	1010 CEV 93.3 PQ Québec, also strike-impacted, c	1165
	1012 CHM 94.3 PQ Montréal, ads for la Overness (obligatorily franchised from the Warehouse) auto ads, "Vous écoutez l'émission André...à CHM," m	1010

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Eric Fader - 23-25 Bell Blvd. Bayside, NY 11360

Equipment: GE Superadio

This report covers Sept-May, from West Phila. All stations new to Philadelphia log.

9/4 tr (1980)	2329 WHOR 98.7 VA Norfolk, r	4/2 tr (1981)	0017 WVVQ 94.5 VA Richmond, "Q-94"
2358 WESR 103.3 VA Tazewell, s		0030 WQMS 103.5 DC Washington	
9/5 tr	0047 WIRA 105.9 VA Woodbridge, k	0037 WHEH 96.3 DC Washington	
0058 WJIR 92.7 NY Garden City		0100 WSES 103.7 VA Richmond, WNGM-NJ off	
0120 WHUD 100.7 NY Peekskill		4/24 tr	0035 Virtually all NYC FM & TV.
9/12 tr	0047 WNAV 99.1 MD Annapolis	5/4 GW	0830 WFEH 88.1 PA Philadelphia, 10w
9/24 tr	1800 WDBK 91.5 NJ Blackwood, 10w		1st day on the air
10/11 tr	2105 WJHM 92.7 NJ Toms River	5/10 tr	0130 WPMU 91.1 NJ East Orange
(One of "eldest unheards" from NYC!)		5/18 tr	0100 WBOU 89.5 NJ South Orange
10/19 tr	0205 WETA 90.9 DC Washington, j	2130- DC & MD tropo.	
0258 WFTF 95.9 DE Bethany Beach		5/25 tr	0158 WBEZ 95.9 MD Glen Burnie
11/23 tr	2223 WGN 97.3 VA Newport News	5/26 Es	2001 WNCU 89.7 FL Miami
2247 WQMS 100.5 VA Norfolk, k		2018 unID 89.7 Cuba? w/SS n/WNCU	
2358 WASH 97.1 DC Washington		Let's see some more of them Es, guys!	

73a, Eric

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Frank Merrill - P. O. Box 7207 - Toledo, OH 43615

Happy DX'ing and happy times to all! As expected, DX was slim during the off season. Much of the listed DX is comprised of relays by new propagation modes (Au), though five new logs boost my total to 1101 heard.

\* Continued \*



1/3 Es 1713 WIDE 94.3 ME Biddleford, ad: Continental CATV in Saco  
 3/5 au 0632 WPRV 88.9 SC Rock Hill, SC news  
 5/8 au 2200 WMBI 90.1 IL Chicago, ID, formerly tr  
 5/9 au 0222 WMBU 90.7 MO St. Louis, Parallel to Strobel's tr on phone, formerly tr

0459 WSKG 89.3 NY Binghamton, ID, formerly tr  
 5/11 au 0201 WMBW 88.9 TN Chattanooga, ID, formerly tr  
 5/27 tr 0104 WMBE 91.7 WI Milwaukee, "One more from the Doors on M-S-E"  
 5/28 Es 2145 WMBE 89.3 FL Boynton Beach, program promo, ID  
 2217 WKQK 92.7 AL Eufaula, local ad (Dothan/Eufaula)

I am hoping that I will be home this time when the big 1981 Es opening hits. I've had the McIntosh MR-78 and rotatable 9-element yagi for almost two years now, and I have yet to be home during a "super" skip opening! Very disappointing.

\*\*\*\*\*

Ernest R. Cooper - National Radio Club - 5 Anthony Street - Provincetown, MA 02657

The first E-skip opening of the season occurred around here on the evening of May 26. Last year it was on the morning of May 30th. It seemed limited to the middle of the dial here and brought an opening into Central Florida. I logged WCKB 101.1 in Cocoa Beach and WDI2 100.3 in Orlando, areas I had visited last December on a vacation trip, so hearing these stations was doubly exciting. Reception was between 7 and 7:45 p.m. when the E-skip died away. The next night, May 27, found trop conditions excellent into the NYC area, and I logged WKLO 98.7 (like a local!), WEVD 97.9 and WQXR 96.3 in NYC, and WALK 97.5, Patchogue, L.I. w/Mets Baseball, and after these all faded out around 10 p.m., WJMP 88.7 in Kingston, RI. On June 3, I discovered the brand new WMBE 92.7 in Tisbury, Martha's Vineyard, MA on 88 with rock mx, listed in the Dec. VSD as WMBE. They get a lot of sloop here from WBOS-FM 92.9. My FM verie count is up to 105 now, from 21 states and three provinces. The receiver is an SA-52 Realistic, out of Radio Shack, with an omni-directional rooftop antenna which is only about 50 feet above sea level, here some 300 feet from Provincetown Harbor (the world's second largest natural harbor!)

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Richard Reese - 421 Marion St. - Jersey Shore, PA 17740

2/1 Es 1400 KVLB 93.1 KS Pratt, k, ID 1170  
 1405 KKKY 95.7 KS Ottawa, r, "96-X" 990  
 2/12 tr 1550 WYVA 94.1 VA Yorktown, k  
 2/28 tr 1915 WRAL 101.5 NC Raleigh, ad  
 3/7 tr 0940 WRAL 101.5 NC Raleigh, ad  
 4/7 tr 2041 WQPR 107.5 MI Detroit, gr  
 5/4 GW 1700 W8QV 97.7 PA Jersey Shore, ex-WJMT, r  
 5/11 tr 2110 WBCI 96.5 VA Williamsburg, "Tidewater"  
 5/22 Es 1820 KESN 95.7 AR Little Rock, ad 960  
 1821 WYER 94.9 IL Mt. Carmel, area ad 610  
 plus UNID's to 97.3

5/26 Es 1927 WVCU 89.7 FL Miami, g 1100  
 5/27 Es 0702 UNID 94.9 MUF to FL?  
 5/28 Es 1724 WWL 93.9 FL Miami Beach, r, "Love"  
 2113 WJUM 94.3 FL Marathon, m 1205  
 2117 WINZ 94.9 FL Miami Beach, r, "I-95"  
 2117 WKOS 100.3 FL Plantation Key, ad 1205  
 2118 WWL 93.9 FL Miami Beach, r  
 2130 WPCS 89.3 FL Pensacola, g 950  
 2210 WYXX 94.7 MS Jackson, r 950

5/28 Es 2211 WJTM 99.7 MS Jackson, pr  
 2215 WJQ 102.1 TX Clear Lake City 1305  
 2220 KILT 100.3 TX Houston, k 1305  
 2223 KRBE 104.1 TX Houston, r  
 2224 KQVE 102.9 TX Houston, ID  
 2234 KCEH 105.7 TX Houston, g  
 2242 KSRH 96.5 TX Houston, r  
 2254 KRLY 93.7 TX Houston, pr

5/29 Es 1006 KTTZ 94.7 MO Springfield, ad 910  
 1010 KMRJ 96.9 KS Pittsburg, r 1275  
 1013 KILS 99.7 OK Alva, r 1185  
 1019 KJMO 100.1 MO Jefferson City 820  
 1019 KFDI 101.3 KS Wichita, ID 1110  
 1025 KICT 95.1 KS Wichita, "T-95"  
 1026 KKKD 107.3 KS Wichita, r  
 1028 KBEA 97.9 KS Wichita, m  
 1032 KCKN 94.1 KS Kansas City, ad 945  
 1033 KJLC 88.5 MO Kansas City, ID  
 1035 KSKG 99.9 KS Salina, r 1110  
 1037 KLRZ 105.9 KS Lawrence, ad 970  
 1038 KBDK 107.1 KS? (mentioned St. Mary's)  
 1047 KYZZ 93.7 KS Salina, ID  
 1050 KICV 90.5 MO Maryville, PSA's 935  
 1051 KRRG 98.9 ?? ??  
 1052 All four Topeka tentative  
 1053 KAEZ 107.7 OK Oklahoma City, m 1155

6/8 Es 1522 KJMN 93.3 ND Jamestown, KES test  
 (Time - EST-EST - New Underlined)

This E-skip season seems to be starting out pretty well. I doubt it will keep the pace. However, tropo was limited to the 300 mile range. I hope this DX season is as productive as last year was. One strange thing about the skip so far this year is that I seem to be getting everything I didn't get last year.

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Alan L. Michalek - 227 Redlands St. - Springfield, MA 01104  
 Equipment: SABA 300 Stereo and Panasonic RF-2900

2/17 GW 2030 WHEX 97.5 MA Springfield, new freq.  
 2/22 tr 1950 WPSB 107.9 VT Burlington, ID  
 4/18 tr 1930 WOOD 106.1 MA Hyannis, ID  
 4/21 tr 2035 WJWQ 97.9 ME Portland, ex-WDCS  
 5/5 tr 2025 WPTX 106.5 NY Albany, ex-WHSH  
 2150 WHEB 95.3 MA Cambridge, ID  
 5/11 tr 1750 WLMH 98.3 NH Laconia, ID  
 5/15 tr 1120 WFOR 101.9 ME Portland, ID  
 5/16 tr 0825 WHEX 92.1 NH Peterborough, ex-WBLE  
 5/22 tr 0807 WKXR 104.7 MA Orleans, ex-WLOM

5/22 Es 1810 KPMX 93.9 MO West Plains, ID  
 5/25 tr 0605 WDAQ 98.3 CT Danbury, ID  
 5/26 Es 1930 WWSL 93.9 FL Miami Beach, AOR  
 5/29 Es 1025 KRID 96.9 OK Enid, ID  
 1047 KUTO 98.7 MO Springfield, AOR  
 1058 UNID "K-101," in MO, St. Louis cards  
 1115 KACL 101.1 MO Carrollton, ID  
 1116 KPRO 98.9 KS Leavenworth, ID  
 1135 KINA 93.9 IA Iowa City, ID  
 1145 KDMY 97.3 IA Des Moines, ID  
 1200 WJAD 92.1 WI Sun Prairie, ID  
 5/29 tr 2132 WBOX 94.9 MA West Yarmouth, ID  
 6/2 tr 2205 WKLA 98.9 ME Brunswick, ID

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Robert S. Ross - VE3JTC - Box 4373, Stn. C - London, ON N5W3J2

Tropo and E-skip season just starting here in Ontario. A few E-skip openings at end of May, but not strong enough yet to ID any stations. Antennas here are six element FM Yagi, rabbit ears, and a dipole, all at 130 feet on balcony facing south. Total heard - 196. Total verified - 117. States heard and verified - 14. Province - 1.

5/4 tr 0129 WOOB 106.9 ON Canton 150  
 0136 WVOG 101.7 PA Linesville 110  
 0140 WQKX 105.1 OH Salem 150  
 0146 WADP 88.1 OH Akron 125  
 0158 WBSU 89.7 OH Kent 130  
 0200 WTOP 98.1 OH Canton-Akron 150  
 0204 WERO 89.9 PA Erie 80  
 0206 CKFM 99.9 ON Toronto 120  
 0208 WLVU 99.9 PA Erie 80  
 5/15 tr 0200 WXXI 91.5 NY Rochester 190  
 0212 CFMT 102.1 ON Brampton 90  
 0216 CKLA 106.1 ON Guelph 65  
 0218 WBLK 93.7 NY DePew 180  
 5/17 tr 1956 WQLN 91.3 PA Erie 80  
 5/19 tr 0145 GILQ 107.1 ON Toronto 120

5/19 tr 0147 WBEA 107.3 ON Elyria 125  
 0149 WQPR 107.5 MI Detroit 120  
 0151 CING 107.9 ON Burlington 75  
 0152 WMTT 107.9 ON Cleveland 110  
 0154 WVVV 106.7 MI Detroit 120  
 0158 WPHD 103.5 NY Buffalo 125  
 0200 WCKK 103.7 PA Erie 80  
 0202 WQAL 104.1 OH Cleveland 110  
 0205 WBBN 94.9 OH Medina 110  
 0207 CKLW 93.9 ON Windsor 120  
 5/21 tr 0208 WZLH 98.5 NY Niagara Falls 125  
 0229 WFOU 88.7 NY Buffalo 125  
 0233 WLTZ 92.3 OH Cl. Heights 110  
 0310 WDCX 99.5 NY Buffalo 125  
 (new underlined)

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Ralph Strobel - 2510 E. McGalliard Rd. - Muncie, IN 47303

Equipment: Heathkit AJ-1510 and Akai AT-V04 w/Winegard antenna at sixty feet up.

5/28 Es 2032 KTKX 94.1 MN Mumble City 1170  
 2040 KINTT 97.5 TX El Paso 1360  
 2045 KESN 93.7 TX El Paso, ex-KPAS 1360  
 2100 KMG 90.7 MN Las Cruces 1360  
 2100 KTRF 88.5 TX El Paso 1360

5/31 tr 0400 WHEX 95.9 PA Sharpville, ex-WFAR 255  
 6/4 tr 0728 WAPB 89.1 OH Akron 200  
 0730 WKEH 88.3 OH Bainbridge, 10w #37 210

6/5 Es (w/Akai) 2139 KTCU 88.7 TX Fort Worth 860  
 2200 K8UC 88.3 TX Keene 890  
 6/6 tr 0730 WCHN 88.3 MI Ann Arbor, 10w 150  
 6/8 tr 0200 WROU 91.1 OH Cleveland, 1000w 200  
 6/9 tr 0707 WTCM 103.5 MI Traverse City 310  
 6/10 tr 0108 WMBE 91.7 WI Milwaukee, 1000w 230

The FM band was totally dead here in April and most of May. Finally, late May and early June produced a few openings. It was surprising to hear 10 watt WKEH Bainbridge, OH. To be sure WKEH is still 10 watts, I have written them and hope to receive a reply. I wrote 88.3 WBOC Berea, OH and received an answer. When I heard WBOC last July they were 10 watts and not 1450 watts as listed in the FM Atlas. 91.3 WROU in Cleveland has increased power from 10 watts to 1000 watts. Their phone number was given over the air so I phoned them. The nice young lady I spoke to was certainly amazed that their signal was getting out so well now. I've had no luck with skip. I must be asleep when skip is in! Total now: 965, with 246 Ed. band. More next time. 73, Ralph

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# EASTERN TV-DX

William J. Draeb  
Ellis St. R.R.#2  
Kewaunee, WI  
54216

## Eastern TV-DX

Deadline: 5th

The E-Skip season got underway here but, as in the past few years, it was late in arriving and the openings left much to be desired. Let's hope things pick up next month.

Steve Sprachman: 3939 Eva Drive, Seaford, NY 11783 EDT

"How is everything in Wisconsin? I visited your state on my vacation last week. (Why didn't you drop in--wd) The natives were friendly and the places I visited were nice.

First, let me give my report, then I'll make a few comments from my trip. Up till the time I went on May 6th, DX here was very slow. I came back to what could best be described, a surprise.

5-21 Tr 2000 WWSG-57 PA --I.D. on barker channel over W57AB New York.

Also received 17, 23, 29, 48, 52 Philadelphia area, 16, 28 Salisbury, MD.

5-22 Tr 0630 W59AA West Haven, CT (WVIT-30, rare).

25, 38, 56, 68 Boston. 22, 40 Springfield, MA. 20, 30 CT. 17, 29, 48 Philadelphia

WFTI-54 Poughkeepsie, NY with religious programs now definitely on the air.

Es 1900 (first of the season) chs. 2-6.

WGLA-3 IL  
KTVO-3 MO  
Unided-3 with "PM Magazine".

5-23 Es 0700 Unideds.

Tr WDCB-20 DC

Now--comments from my vacation. I was able to watch two STV stations. WCLQ -61 Cleveland and WHTT-31 Ann Arbor. I did not notice any barker channel on either. (Neither have I--wd)

I picked up 23 different editions of TV Guide. Two came in handy for my Es on May 22nd. WSFJ-52 Newark, OH is listed in the Columbus Metro Edition. ON-TV (Detroit's STV service) is listed in the Detroit TV Guide but WHTT-31's IT service is not.

And finally, some local cable companies bring in interesting stations. The ABC station on Pierre, SD's was KBTB-9 Denver, as opposed to much closer KXON-5 Mitchell, SD."

Robert S. Ross: Box 4373 Sta. C. London, ON N5W 5J2 VE3JFC EST

2-27 Tr 1858 WPTD-16 OH Dayton	4-2 Tr 1950 WCLQ-61 OH Cleveland	5-1 Tr 0152 WKBN-27 OH Cleveland
2122 WTAP-15 WV Parkersburg (State No.25)	5-1 Tr 0140 WOPR-62 MI	0157 WJAN-17 OH
2320 WPGH-53 PA	0149 WUAB-43 OH	0200 WKYC-3 OH
28 Tr 0037 WNEB-17 NY	0150 WSEE-35 PA	0204 WSPD-13 OH (Now WTVG)
		0205 CKCO-13 ON

DX equipment includes a Toshiba portable TV.

George Rogers: 320 Lafayette Road, Chickamauga, GA 30707 EDT

From Chickamauga:		
4-26 Es 2205 XHRI0-2 Tam	4-27 Es 2230 KTCA-2 MN	4-29 Es 2135 KMID-2 TX 1119
2207 KGBT-4 TX	4-28 Es 1045 KNOP-2 NE	2137 KWAB-4 TX 1079
2210 KRGV-5 TX		
2213 XHD-4 Tam	From Radcliff, KY:	
5-3 Tr 0915 WLLX-18 KY	5-3 Tr 0920 WCPD-29 KY	5-3 Tr 0925 WKON-52 KY 80
0917 WZTV-17 TN	WKOH-31 KY	WKGB-53 KY 85
WEHT-25 IN	Owensboro	0928 WKMR-38 KY 175
0918 WKYT-27 KY	WTV-36 KY	Morehead

## Eastern TV-DX

George Rogers; continued---

5-3 Tr 0930 WTHR-13 IN	5-4 Tr 0850 WJIN-2 OH	5-4 Tr 0910 WGVN-54 KY 130
WTV-2 IN	0852 WNCN-12 OH	0912 WHIO-7 OH 183
0935 WTV-4 IN	0855 WPTD-14 OH	0915 WKEF-22 OH "
WISH-8 IN	WPTD-16 OH	0920 WFTI-20 IN 140
WCPO-9 OH	0900 WBAK-38 IN	2130 WPSD-6 KY 177
1900 WTHI-10 IN	0902 WKIX-19 OH	2135 WMIN-9 IN 112
2130 WLMT-5 OH	0910 WFTI-64 OH Cincinnati	5-5 Tr 0805 WTVW-7 IN "
WRTV-6 IN		WDCN-8 TN 131
		WERO-13 KY 70

July 1981

From Chickamauga:		
5-5 Es 1630 XHFM-2 Ver Veracruz	5-8 Es 1000 CBFT-2 JL	0815 5-13 Tr WKAR-38 KY 350
5-6 Es 1145 WBLT-2 FL	5-12 Tr 1915 WDCN-8 TN	5-13 Tr 0820 WDAK-7 MS 376
1300 CBWFT-2 ON	1930 WTVF-5 TN	0825 WTV-36 KY 292
Kenora	2145 WKSQ-29 KY	0840 WLLY-32 KY 303
1330 CPHR-2 ON	2303 WTVW-7 IN	1005 KATV-7 AR 454
1335 CHFD-4 ON	2310 WOTE-22 TN	5-15 Es 1132 KOAA-5 CO 1204
	5-13 Tr 0810 WALA-10 AL	1137 KWGN-2 CO 1316

Equipment: RCA 12" portable Model 10. AFA-246-W. "Total stations to date is 454. I hope to reach between 460 and 470 by the end of the season and I still hope for my first high-band E-Skip over this summer. Remember, we're gonna have DX fun in '81."

Robert Grant: 5775 Bishop, Detroit, MI 48224 (313)884-3025 CDT/C2DT

4-19 Au 2330 Unideds on 5, 11 & 13.	5-3 Ms 0615 WGBS-2 NY	5-20 Ms 0411 CKCO-2 ON Ms #11
22 Tr 0530 WPTI-11 PA (was WJIC)	5-9 Au 0245 Unideds on chs. 2, 3 & 4.	0534 WNGE-2 TN
23 Au 0105 Unideds on 5, 10, 11, & 12.	0424 Over ch13	5-21 Tr 0429 WSAZ-3 WV 280
Tr 0236 WSAZ-3 WV Huntington	5-11 0110 Unideds chs. 5-13.	0500 WTV-4 IN 235
Ms 0502 WNGE-2 TN	0122 Dead on hi-band.	Ms 0515 WSB-2 GA
Au 0505 Unided-3	Ms 0216 Unided-3 NNW.	0517 WNGE-2 TN 470
26 Au 0500 Unideds on 2, 3 & 4.	0228 As & Au both lost.	5-22 Tr 0215 W67AJ MI 43
Ms 0533 WCCO-4 MN	5-15 Au 0000 Unided on ch. 5.	Es 1800 WEDU-3 FL 1000
27 Tr 0300 WISN-12 WI	0220 Superstrong	1850 WTVJ-4 FL
Au 0410 Unided-4	0318 Gone	Miami #215
29 Ms 0515 WSB-2 GA	5-16 Au 0300 Unideds chs. 2-11.	1850 WTVJ-4 FL
0523 CBFT-2 P.	5-17 Tr 0400 WGN-9 IL	Miami #216
0534 WGBS-2 NY	5-18 Tr 0525 WTHR-13 IN	1930 WCIW-4 SC Charleston
30 GW 2330 CIOO-32 ON (w/WFUM prog.)		1950 WGSB-5 SC Charleston #218
		2010 MUF dives to ch. 2.

"One thing I think I better mention is that Au was going wild thru April & May. I wish it was possible to I.D. stations via this model

I use a RS V-90 log (their second cheapest) on Gemini AR-1 rotor. On 5-13 I redid the lead in scheme w/100' of RS 15-1175 lead in and standoffs. (The old lead in was K-Mart type (50') and no standoffs. It was also too short.

The skip of 5-22 was on the 2nd anniversary of my 1st Es which also started out with WEDU. WTVJ was so close to perfect & offset with WDIV-4 that all I saw was a picture over WDIV that switched polarity twice every 3 seconds. WDIV was about 2 hz to WDIV."

Rich Turesany: 7 Caver Circle, Shelton, CT 06484 LST

2-16 Tr 1030 WWSG-57 PA Philadelphia	2-22 Tr 1815 WGAN-13 ME Portland	4-30 Tr 2330 NYC xtrs NJ U's snowfree
"testing"	3-27 Gw 2250 WFTI-54 NY Tideswater U's	5-1 Tr 0650 Boston, Philly U's
2-22 Tr 1750 WCEB-10 ME Augusta	"testing xmtx at Highland, NY"	WMDT-47 MD 220 mi.

Only a few things to report this time. WFTI-54 came on the air Easter Sunday with (according to prez Keith Houser) "family" TV programming. They

Rich Turcsany; continued—

don't like to use the term "Christian", but about 90% of its shows are Christian oriented. EHP is 5000kw directional from Illinois Mountain in Highland, with studios in Poughkeepsie. WRBY-65, Vineland, NJ was to be on by now broadcasting WHT pay TV service, but I think they are going to wait until their low powered xtrs are granted. Es KSTS-48 San Jose, CA also going to put WHT on its xtrs? (I have found the correct channels for a few stations listed in FCC TV News... KUSK-7 Prescott, AZ, WFOC-53 Palm Beach, FL, WBHA-66 Joliet, IL, WRHP-63 Richmond, VA, WENX-35 Richmond, VA, WCCT-57 Columbia, SC, WMAC-53 Atlantic City, NJ, WFWY-43 Syracuse, NY, WSTG-64 Providence, RI, KXAN-39 W. Monroe, LA, WGBE-43 Myrtle Beach, SC, KIMA-23 Minneapolis, MN, WFLX-25 W. Palm Beach, FL, WKNA-43 Melbourne, FL, WKME-38 Seaford, DE, WGN-51 Sandusky, OH)

Family TV is now equipped for CATV (incl. HBO), seems the engineers have been DXing with their TWO's as I have caught WTBS-17, USA Network, The Movie Channel, PTL, Trinity, Modern Satellite Network, and even CHN on the wrong channel. CATV is only supposed to provide HBO, CNN, ESPN, KWKX-41 feed, C-SPAN, ESPN, and CHN.

Frank Wheeler; 6589 Wattburg Road, Erie, PA 16509 EDT

5-5 Es 1201 KNOP-2 ME 5-27 Es 1200 KCKT-2 KS 5-29 Es WDAF-4 MO 779 @ 1100  
5-27 Es 0930 WEAR-3 FL 5-29 Es 1000 KETS-2 AR 1130 KCKT-2 KS 1015  
1000 KATC-3 LA 1030 KARD-3 KS 5-30 Tr 2000 WTTG-30 OH 185  
1030 KETS-2 AR 1031 KTVI-4 OK Toledo

Log totals: 280 received---214 verified. Equipment: 1976 Sylvania color TV. Antennas: Archer WU 120. Servo-Rotor.

"Bought a used Sylvania 25" color---year 1976. New picture tube. Guarantee 2 years. Better & stronger on UHF than my '70 Zenith."

Pat Durkin; 8829 W. Orchard St., W. Allis, WI 53214 CDT

5-4 Es 1110 KNOP-2 MO 5-23 Es 1900 KPRC-2 TX 1010 5-29 Es WLEZ-2 ME 945  
Denver 5-28 Tr 1806 WGTU-29 MI 165  
1844 WLEZ-26 MI 105 Equipment: Tmer section of RCA Selectavis-  
5-12 Es 1030 KTMQ-2 WY Green Bay tion of RCA Selectavis-  
5-15 Tr 0030 WQAD-8 IL Es 2000 WBRZ-2 LA 890 ion VHT-501 VCR, with  
0125 KNUB-40 IA Es 2030 WBSH-2 FL 1035 Panasonic CT-93 19"  
0250 WBBF-4 IL Daytona Beach color TV. Winegard CT-  
Hock Island 2045 KPRC-2 TX 1010 1001 VHF-UHF-FM antenna  
(WTMJ off)

with rotor at 35°. Log totals: 133; 61 VHF, 72 UHF.

There was little DX here in the Milwaukee area in March and April, other than the usual tropo across Lake Michigan into Michigan, Indiana etc. However, there was a dramatic improvement in May, with a few strong tropo openings and Es on a semi-regular basis. The most intense Es and tropo openings both occurred on 5-28, when there was a tropo opening to the North and East and a Es opening to the South. During this opening I was finally able to pick up WLEZ-26 Green Bay, WI after 4 months of trying. They ran very few commercials, only a 2 minute break each half hour. The Es opening that night was strong, as I was able to pick up a Florida FM station on 107.9 for a short time.

Some local TV news: WMVB-10, WVTU-18, and WMVT-36 all Milwaukee, all recently boosted their coverage areas by moving to a new 1100' tower. Channels 10 and 18 began operating from this tower about April 1st and ch.36 began operation from the tower about May 15th. The greatest improvement in coverage was in WMVT-36, which should make this station less of a challenge to Midwest TV DX'ers.

Bill Fahber; 336 Atlantic St., Bridgeton, NJ 08302 EDT

5-18 Tr 2300 WXXK-8 VA 183 5-22 Es 1801 WDAF-4 MO 1034 5-22 2025 fade out.  
5-21 Tr 2315 25, 41, 44, 60 1814 WOI-5 IA 976 5-23 Es 1345 KLAS-5  
Onancock, VA 1818 KMTV-3 NE 1100 Hastings  
xtrs. 1823 WNL-4 LA 1066 1400 KMTV-3  
5-22 Es 1720 KJRH-2 OK 1139 1919 WDSU-6 LA " KTVO-3  
New Orleans 1415 fade out

Bill Fahber; continued— 5-25 Es 1730 WPBT-2 FL t 5-26 Es 0705 KOET-3 OK  
Unided-3; # WLEB-3 MS  
1745 fade out. 5-28 Es 1630 WPBT-2 FL  
1820 Unided-3; WFTV-5 FL t  
not USA. 1700 Unided-3; PBS.  
2335 WYAH-27 VA 1828 Cuba ch.5. 2000 WESH-2 FL  
(W62AYT) 1830 WPBT-2 t  
(Frederick, MD) 1918 WESH-2 FL  
WTVZ-33 VA Daytona Beach  
5-25 Tr 0810 WCVW-57 VA t 2105 fade out. \*Thanks for forwarding  
Unided-26 N or the material to me for  
S; not WETA.

Here is my report for Feb.-May.: Tropo conditions for February and March were dead, as to be expected. I finally installed a rotor in time for the skip season, but was having mechanical problems which hindered DX'ing in April. Things are working fine now. I decided to list my frequent Virginia loggings (Richmond, Onancock, Norfolk, etc.) only when they are unusually strong. First sign of skip was on 5-15, when several stations were coming on my employer's radio (45.84 Mhz). I was able to talk to one guy in Tyler, TX using 300 watts. First sign of skip on TV was 5-18 at 1605 lasting 20 minutes, reaching only ch. 2. On 5-22 skip lasted from 1545 until 1600, but came on strong at 1713 with signals pouring in from every direction, with MUF reaching ch.6 by 1745. A few curious notes about that evening's skip: Firstly, ch. 4 and 6 in New Orleans were in strong all evening, even when there was no trace of skip elsewhere. The picture on WML was a double image, offset horizontally about an inch. Since both images were equally strong, and could not be eliminated by rotating the antenna, I wonder if two skip clouds could be reflecting the signal. Tom Yingling was logging Florida stations that evening, but I couldn't get any trace of Florida. My first Cuban logging was May 25 during a strong opening towards Florida. I was surprised to see it producing 10 KHz CCI over WTTG-5 since the Cuban and American systems are so different. But according to the World Radio TV Handbook, the video for Cuba's channel four and our channel 5 are both 71.75 Mhz. Since WTTG's video is 71.74 Mhz, 10 KHz CCI is produced. Now how do I find out which Cuban channel 4 I received? (This is new to me. I thought U.S. and Cuban channels & frequencies were generally the same--wd). Judging by the activity in the past two weeks, I think we're in for a super skip season."

Greg Kallert; 211 St. Clair Ave S.W., New Philadelphia, OH 44663 EDT

5-29 Es 1100 KNOP-2 ME 950 6-1 Tr 0630 The usual UHF from Detroit, Toledo, WQAD-8 IL  
Ann Arbor, Canada, & Huntington!!  
Denver

"Colorado is #18 for me! With the exception of the above Es, there was nothing outstanding to report. I did talk to a guy that lives on a 1200' hill, has a 40' tower with CM 7' dish and 38 db preamp...says Chicago UHF's is normal reception! Yeah...guess it would be.

I'd like to mention the fact that I am able to offer Blonder-Tongue preamps to club members at a discount. The discount would range from 10% to 28% off retail prices. I buy very little from the distributor so its hard to say how long I can buy wholesale. So if any of you might be interested, please drop me a S.A.S.E. for a list."

Bill Hepburn; 5659 Highland Ave., Niagara Falls, ON L2G 4X2 EDT

"Here's my TV DX report for May 1981. The E-skip started on May 22nd here, nothing spectacular though. Some Am noted on the 10th & 11th during a minor geomagnetic storm, but no I.D.'s. Tropo was good on the 22nd (hi-pressure Tr) and on the 30th (weak cold front passed). Sandusky NOAA Wx Radio (at 215 mi.) was received during that opening. You're probably already logging 600 mile stations by now, hi!" (Not lately, just the usual stuff at 400 mi.-wd).

5-4 Tr 0812 WKBD-50 MI t 5-11 Au 1231 Unideda; 5-20 Tr 0832 W26AA NY 45  
W58AO NY t chs.2&3. (WNED xlr back on!)  
5-6 Es 1239 MUF to ch.4 5-14 Es 1703 MUF to ch.4 5-22 Tr 0735 Detroit U's  
5-8 Tr 0746 Detroit U's 5-15 Es 2227 " " ch.3 0807 WTTT-67 OH  
0821 WIHT-31 MI 5-16 Es 1846 " " ch.4 Canton  
Es 1221 MUF to ch.2 5-20 Tr 0743 WDFI-18 NY (testing)  
5-10 Au 2204 Unideds on 0819 WTVS-56 MI 0808 CICO-32 OH



# Eastern TV-DX

Bill Hepburn; continued---5-24 Tr 0833 WXON-20 MI t 5-28 Es 2100 WVAR-3 FL t  
 5-22 Tr 0808 WOTE-30 OH Es 1216 MUF to ch.2  
 Toledo 5-26 Es P.M.; weak ch.2  
 0820 WBQU-57 OH 5-27 Es 0746 WDI-2 AL t  
 Bowling Green 0807 WLET-3 MS t  
 Es 1731 WMAE-2 MS t 0812 WEDU-3 FL t 5-29 Es 1205 MUF ch.3  
 1742 WVAR-3 FL 0923 WVAR-3 FL 5-30 Tr 2028 WEYI-25 MI  
 1800 WCBX-4 MS 0931 WARG-5 AL t  
 Columbus 0939 MUF to 91Mhz  
 1801 MUF to 91Mhz 0943 WTVJ-4 AL t  
 5-23 Es 1136 WSB-2 GA t 1000 WSB-2 GA  
 1308 KETS-2 AR 5-28 Es 1902 WLSH-2 FL  
 1315 WLET-3 MS Daytona Beach  
 1327 MUF-ch.5 1916 WJXT-4 or  
 1343 WREG-3 TN t WTVJ-4  
 1430 KJRH-2 OK t 2020 WGBD-2 SC  
 1437 KARK-4 AR t 2030 WPBT-2 FL

July 1981

Ken Simon; 513 Sixth Ave South, Lake Worth, FL 33460 EST/EDT

4-1 Tr 2000 ICR6-9 Cuba 5-5 Es 2000 KIII-3 TX 5-19 Tr 0415 WTOC-11 GA  
 Tele-Rebels-13 " 5-16 Tr 0648 WJKS-17 FL 5-20 Es 2000 KLINE-3 NE t  
 4-4 Tr 2145 WJKS-17 FL 0730 WTSP-10 FL 5-20 Es 2100 KIBS-3 LA  
 WAWB-30 " WJCL-22 GA 5-21 Es 1359 KPRC-2 TX  
 4-13 Tr 1755 " 0815 WAWB-30 FL 5-22 Es 1600 WTD-2 IN  
 WJCL-22 GA 0840 WJAO-47 FL WCL-3 IL  
 4-27 Tr 1800 WAWB-30 FL 0900 WJCT-7 FL WTMJ-4 WI  
 1820 WJKS-17 5-17 Tr 0557 WTLV-12 FL 5-26 Es 1728 WFSB-3 CT  
 over WJCL 1958 WJCL-22 GA MUF to 107.5 to NE U.S.  
 WJCL-22 GA 5-18 Tr 0628 WAWB-30 FL 1930 WGRB-6 NY  
 1823 WJWJ-16 SC 0815 WJCL-22 GA Schenectady

Robert S. Ross; Box 4173 Station C, London, ON N5W 5J2 VE3JFC EDT

5-18 Tr 0232 WIHT-31 MI 5-20 Tr 0143 WTVB-56 MI 5-21 Tr WUAB-43 OH 110  
 Ann Arbor 0145 WCLQ-61 OH  
 0347 CFMT-47 ON 0148 WOPR-62 MI States:  
 5-20 Tr 2240 WOTE-30 OH 0158 WSEE-35 PA 157 seen ----- 105 verif.  
 Toledo 5-21 Tr 0123 WDHD-24 OH 0125 WEYI-25 MI  
 0130 WXON-20 MI 0127 WKEN-27 OH states seen-----25  
 0132 Uxbridge-22 0130 WAKB-23 OH states verified-----20  
 0136 WJXT-24 PA 0132 WPMJ-21 OH provinces seen-----2  
 0139 WKBD-50 MI 0132 WPMJ-21 OH provinces verified-----2

"Antennas used are UHF Flying Arrow, rabbit ears and dipole all at 130 feet high on balcony facing south."

Harry J. Hayes; 9 Henry St., Wilkes-Barre, PA 18702 EST

5-4 Es 1100 KPRC-2 TX 5-23 Es 1423 KQTV-2 MO 5-28 Es 1930 WPBT-2 FL  
 5-16 Es 1905-1920 Un- 1500 KLINE-3 NE 1942 WJXT-4 FL  
 ids on 2&3. 1600 KUSD-2 SD 2000 WCIX-6 FL  
 5-22 Es 1730-2030 Un- 1602 fade out 2130 WRRZ-2 LA  
 ids 2 through 71 5-26 Es 1900 WPBT-2 FL 6-2 Es 2030 Unids-2  
 Too busy on FM. 5-27 Es 2340 WESH-2 FL 6-3 Es 1910 KTVI-2 MO  
 5-23 Es 1400 KARD-3 KS 5-28 Es 1730 WESH-2 FL 1915 WMT-2 IA  
 WDAF-4 MO 1930 WTVJ-4 AL 2000 KUSD-2 SD  
 2015 KINO-3 SD

Equipment: RCA 25" XL-100 connected to Winegard 2-6 VHF antenna mounted on two chairs in a spare bedroom.. RCA 12" XL-100 connected to 5' CM parabolic dish in attic. CM amp. on Winegard 2-6, Winegard AC-4990 on dish.

The channel 7 skip on 5-22 was not seen by me personally but by Glenn Jacobs in nearby Sterling. He saw full color skip on that channel around 1830. The quality of the skip year so far is just like or worse than the last three. Skip is just very scarce. June so far has produced next to nothing. I monitor the set almost constantly when I'm not at work. My goal this year is not to add new stations to the log book but to see how many stations I can photograph. On the UHF scene; WFTI-54 Poughkeepsie, NY is always visible

# Eastern TV-DX

Harry J. Hayes; continued---

here as a weak choppy signal which isn't bad for them since they are 90 mi. away in a bad direction, my QTH is deep in a valley and my dish which is in the attic below roof level must point smack in the direction of a row of neighbors houses to pick them up.

Frank Merrill; P.O. Box 7207, Toledo, OH 43615 EST/EDT 11-16-80 to 6-3-81

"Hi y'all and happy DX and everything else! There was some DX to be had over the winter, but not like the '79-'80 winter. Of course I didn't expect a recurrence of everything that great anyway, hi! Thanks to Rob Kramer's photo tips I am now photographing my DX. Unfortunately, until the time he told me how to take TV pictures, I thought it required one of those \$300 cameras and I didn't know in time for my Houston Tr, etc. in 1979. Three new loggings (one of them unid, but definite) will boost my logged TV total to 572."

11-16 Es 2000 KHIS-6 TX 11-26 WDHD-24 continued 5-8 Tr 2255 W46AB NY  
 Corpus Christi 5-11 Es 0152 CFSS-3 SK  
 11-23 Tr 0048 CICO-60 ON power for several 5-27 Tr 0001 KETC-9 MO  
 ("who is this") KINL-30 MO  
 (I don't know; but maybe it's WBAK-38 IN  
 CICO-59--wd) WAND-17 IL  
 CICO-19, CKGN-22, snowfree as was 0049 WICS-20 IL  
 CBLFT-25, 44, 76, WLF1-18, WKOW-27, WICB-20, WFFY-20, WTHI-10 IN  
 CITY-79, both over WODN-20 WTMJ-2 IN  
 0122 WNEP-16 PA, KINL-30, WRAU-19 W68AA IL  
 WNEP-16 NY WLCY-32, WBAK-38, KPLR-11 MO  
 0200 WVIA-44 PA WMT-25, WTHI-10. 5-28 Es 1300 KENW-3 NM  
 CJOH-13 ON t 0125 WEEK-25 IL 2130 WEDU-3 FL  
 2047 WNEP-17 NY 0300 KPLR-11 MO 2217 MUF 92.7  
 WUTV-29 NY 1200 WGTU-29 MI 6-2 Tr 0110 WKPT-19  
 11-26 Tr 1840 WXON-20 off, Lexington U's 1430 WPCP-15 KY  
 leaving-- WLEX-18 KY  
 WUAB-20 OH W64AK 6-3 Es 2307 KMID-2 TX  
 WICS-20 IL CITY-79, 2359 KWGN-2 CO  
 WFFY-20 IN CBLFT-76, WGBR-38, 2400 WCLQ-61 OH  
 WAND-17 IL WIXT-9, CFMT-47, Cleveland  
 WNEP-16 NY 2100 WJEX-16, W36AA  
 WPHN-7 MI 3-1 Tr 2225 WKPT-19 TN And Frank says his  
 WILL-12 IL 3-6 Tr 1920 WGTU-8 MI work schedule has  
 WKLE-46 KY 5-6 Tr 2140 WROC-8 NY changed so he won't  
 1851 WDHD-24 off, 5-8 Tr 2240 WNEP-17 NY let his reporting fall  
 leaving-- WUTV-29 NY so far behind.--wd  
 WVVU-24 WV CICO-19 ON

William J. Dreeb; Ellis St. R.B.#2, Kewaunee, WI 54216 CDT

5-3 Tr 2120 WKAS t 5-23 Es 1926 KBTX-3 TX 5-29 Es 2200 KWAB-4 TX t  
 2207 WBTI-64 OH 5-24 Tr 0715 KINL-30 MO 5-31 Tr 0618 WDOJ-10 MN  
 2224 WNEO-45 OH (rare here)  
 2238 WPGH-53 PA Es 1601-2100 Unids;  
 2253 WJET-24 PA watch. chs.2&3.  
 Youngstown U's 5-28 Es 1957 WESH-2 FL 5-29 Es 0915 WSAV-3 GA  
 WJAN-17 OH KTVI-4 OK t  
 5-4 Es 1200 KALF-4 MT 2004 WEDU-3 FL 1000 WTKR-3 VA  
 KRTV-3 MT 2025 WTHS or WRC-4 DC t  
 5-10 Es 2140 CBHT-3 NS 1015 KYN-3 PA  
 CBSJ-4 NB 2040 WGBD-2 SC 1040 WBR-4 MA  
 CBSJ-1-6 NB 2105 WCTV-6 t 6-1 Es 2055 Unids; 2&3  
 2314 CBHT-3 t 2129 WSB-2 GA 6-3 Es 2121 WBR-2 LA  
 5-12 Tr 0702 W39AA IN 2220 WVAR-3 FL KATC-3 LA t  
 0737 CBLFT-26 ON 5-29 Tr 0510 KESQ-3-11 KJAC-4 TX  
 (WLR off) 2200 KPRC-2 TX  
 0824 WTVJ-36 KY CRNC-1-7 2212 KBTX-3 TX  
 WCET-48 OH (Elliot) 2305 KMID-2 TX  
 5-18 Tr 0748 CBLFT-16 ON Lake, ON; 2315 KWAB-4 TX t  
 CICO-20 ON In almost 2317 KENW-3 NM  
 5-20 Tr 0802 WVUT-22 IN daily.) 2340 KOB-4 NM  
 5-22 Tr 0545 KINL-30 MO 25  
 5-23 Es 1915 KIII-3 TX KFDX-3 TX (More reports next mo.--wd)

# WESTERN TV-DX

July 1981

Fred McCormack  
Box 5221  
State University Sta.  
Fargo, ND 58105

Deadline: 5th

New \_\_\_\_\_ New Mode \_\_\_\_\_ Tentative - t Unidentified - unid

Charles George, 6407 Howard, Dallas, TX 75227 CDT

Equipment: Panasonic TR-619A portable, rabbit ears

May 1981

28 tr 0800 unid ch 24 CBS 28 tr 0825 K8AT 12 TX 260 28 tr 0910 K12W 9 TX 260  
0813 KTVV 36 TX 180 0830 unid ch 41 PBS (thanks for the report, fm)

Fred McCormack, Des Lacs, ND 58733 CDT

May 1981

5 Es 2159 KACB 3 TX 1150	8 Es 1029 KDKA 2 PA 1185
23 Es 1130 WLBT 3 MS 1290	1058 WJFK 2 MI 975
2013 KTVK 3 AZ 1165	1059 WKYC 3 OH 1080
(MUF 105.9 @2134 CA)	1130 WZZO 3 MI 865
2258 KENW 3 NM 995	1157 CKGW 2 OH 1170
24 Es 1220 KMID 2 TX 1115	1232 KMID 2 TX 1115
1717 WUGB 2 TN 1125	*1259 C--- 2 OH 1010
1928 unid 2 Spanish	1303 CBFT2 3 QU 1225
	1354 CBFT 2 QU 1325
June 1981	1356 unid. 6 Canada
5 Es 1640 KMID 2 TX 1115	1459 KETS 2 AR 1065
(MUF 90.7 @2035 -LA)	
2058 WRRZ 2 LA 1355	
	*CPCL2 Kearns call?

I took a long weekend at Des Lacs on the 5th hoping to see a lot of Es. Unfortunately, it was generally poor. The most interesting was probably from 0000-0300 on the 8th. However, it was also the most frustrating. Almost all the stations received were running unid 3/4 color bars. On the FM, numerous CBC French and English relays of the type used in remote villages were received. Of course, they are also very difficult to positively identify.

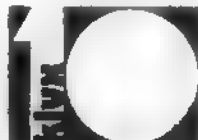
Does anyone know the call letters for channel 2 at Kearns, Ontario? I assume I was watching the same station on the 8th at 0118 and at 1259, however, at 0118 a CPCL sign/off was seen, while at 1259, a CKWC-9 ID was seen.

Fred McCormack, 3022 18 St S, Fargo, ND 58103 CDT

May 1981

10 Au 2214 hash ch 2-9	28 Es 2109 KEPM 2 CH 1180	3 Es 2130 KMID 2 TX 1060
AE 2230 unid 3 French	29 Es 0824 KMID 2 TX 1060	4 Es 0037 KMID 2 TX 1060
11 Es 2136 unid 2 s NBC	(MUF 94.7 @ 1042 NV)	8 Es 2058 CKGW 2 OH 945
2207 unid 2 Spanish	1058 KUTV 2 UT 880	(MUF 92.3 @ 2239 )
15 AE 0105 unid 3	(MUF 93.1 @1122 -ID)	2250 CFAC 2 AT 840
18 Au 0213 hash 2-6	1130 KBCI 2 ID 960	11 tr 2330 K29HL 59 SD 145
26 tr 2228 WHWct28 WI 270	1132 KID 3 ID 805	(Ipswich KXOW-5)
27 tr 2258 K6DAO 60 MN 180	1157 KATV 2 OR 1240	2359 K6ZAV 62 SD 185
(Redwood Falls KMSP-9)	1908 unid ch 3 Fr	(Lowry KXOW-5)
28 Es 1958 WGBH 2 MA 1290	2200 WLST 3 MS 1070	12 Es 2009 CFAC 2 AT 840
(MUF 104.5 @2025-Mx)		2217 unids 2-4 west
2026 KUTV 2 UT 880		
	June 1981	
	3 Es 2129 KVVU 5 NV 1200	

CHANNEL 10



10

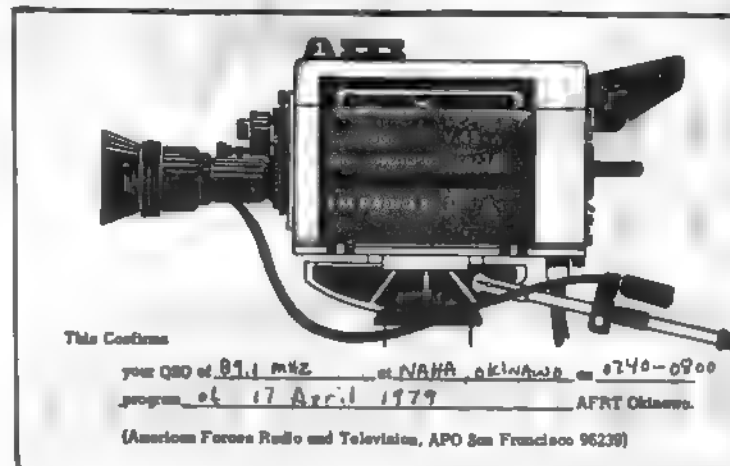


Logos courtesy of Pete Taylor, San Francisco, California

# QSL CORNER

FM QSL's

Thomas J. Yingling, Jr.  
221 Pinewood Road  
Baltimore, MD 21222



AFRT 89.1 Naha, Okinawa, American Forces Radio & Television, APO, San Francisco, CA 96239. Received (forwarded) by chance at my new duty station here in the States after much forwarding by postal service. It took 470 days surface mail, no return postage. (In case you like to look this up on a map, look for Okinawa Island in the Ryukyu Island group south of Japan, ed.) Hardester

ON CHRW 106.5 London, U.C.C. Bldg, Rm 42 U.W.O., N8A 3K7. Letter from Roy Blake, Tech. Dir. in 2 weeks, with full data. Ross

MA WKZE 104.7 Orleans, Box 1170. Letter from Gordon D. Benoit, CE Cooper

ME WPOR 101.9 Portland, 562 Congress St. Letter from Patricia A. Littlefield, Cooper

WKXA 98.8 Brunswick, Box 900, 04011. Letter from Priscilla Seimer, Cooper

WIGY 105.9 Bath, P.O. Box 329, 04530. Letter & promo sheet from Steve Rogers, PD, in 1 month. Belives my report is the furthest confirmed reception that this station has had. Wood

MD WBSR 104.3 Baltimore, 7 E. Lexington St, 21202. Return my prepared card, signed by James Cox (I believe). I used prepared card as they failed to QSL WDJQ call. Holbrook

WBKZ 95.9 Glen Burnie, c/o WFBR-AM Radio, 13 E. 20th St, 21218. Return prepared card, signed by Floyd Halsey, CE of WFBR. For years had send reports with no answer (befor was WISZ-FM, ed.) & gave above address over the air, & surprised they were affiliated with WFBR! Holbrook.

MN KCPI 95.3 Albert Lea, 305 S. First Ave, 56007. Letter from D. K. Christian (7ed.) from photo copy of letter. Hempel

KLGR 97.7 Redwood Falls, One line letter from Bruce E. Tolzmann, Hempel

KSJN 91.1 St. Paul, 45 E. 8th St, 55101. Letter from Tim Metzger, Dir of Rng, Minnesota Public Radio. Reply in 21 days. Hempel

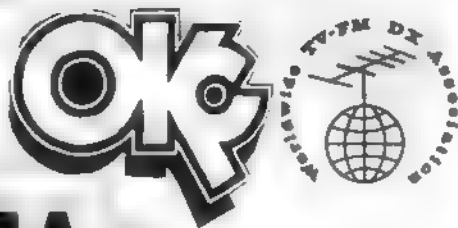
OH WPMO 88.3 Berea, Baldwin-Wallace College, 44017. Letter from David Bobco, Dir. of Eng. varifying reception of an exp of 15 watts, not 1450watts as in FM Atlas. Reply back in 1 month. Strobel

Reporters this time are Mike Hardester of San Marcos, CA (a new reporter), Ernest R. Cooper of Provincetown, MA; Robert S. Ross of London, Ont; Hank Holbrook of Chevy Chase, MD; Rob Hempel of Manson, IA; Richard E. Wood of Cape Girardeau, MO; & Ralph Strobel of Muncie, IN. For those that read last month QSL Corner that Saul Chernos is offering help in getting QSL's from Canada, his address has changed to: c/o Post Office, Burnt River, Ontario, postal code (zip code) K0W 1C0 for the TV-Ontario Network, reception reports QSLs use with return postage US stamps ok. Thanks for the update on address Saul. 73's for

Tom now. 27

# COME TO

# OKLAHOMA CITY!



WORLDWIDE TV-FM DX ASSOCIATION

## 1981 CONVENTION

JULY 31 - AUGUST 2

In just a few short days, all the fun of OKC '81 begins! It's a convention you'll long remember.

The convention will be held at the Ramada Inn West at Interstate 40 and Meridian. For those arriving by air or bus, your host will provide transportation to the site. If you need more information on getting to the site, let me know.

The meeting room will be open at noon, July 31, with official opening of the convention at 7 that evening. Many attendees will be in town a day or two early, tho, so the fun should be just getting into full swing.

Saturday, August 1st, we'll have several station tours. As of this time, we'll be touring KJIL and KTOK/KJYO. We'll also hear a talk on PSB by Don Blevins. That evening we'll have the annual banquet, which will feature swiss steak. After the banquet, Joe Gragg will answer your technical questions about the hobby.

Sunday morning we'll have the club business meeting. The meeting room will be open to accomodate those staying late.

A registration form for the convention appeared in the May VUD. If you need more information, give me a call at (405) 787-3717 or 787-1140. Get your registration in soon, as we can't guarantee you a room at the Ramada after the 17th. If you need directions, let me know.

I look forward to seeing you all at Oklahoma City '81, a capital ideal

John Zondle - 1802 W. Rockwell - Apt. 107 - Bethany, OK 73008

Getting there is easy! Oklahoma City is served by these major airlines: American, Eastern, Delta, Braniff, Frontier, Texas International, Southwest, and United. The Ramada Inn West provides shuttle service between the airport and the Inn. Or, if you're traveling via bus, both major national lines, Greyhound and Trailways, provide excellent service to and from the area. If you're driving, the convention site is a cinch to reach via the interstate highways. The Inn is located just off I-40, a major east-west route. From the Midwest, OKC is easily reached via I-35.

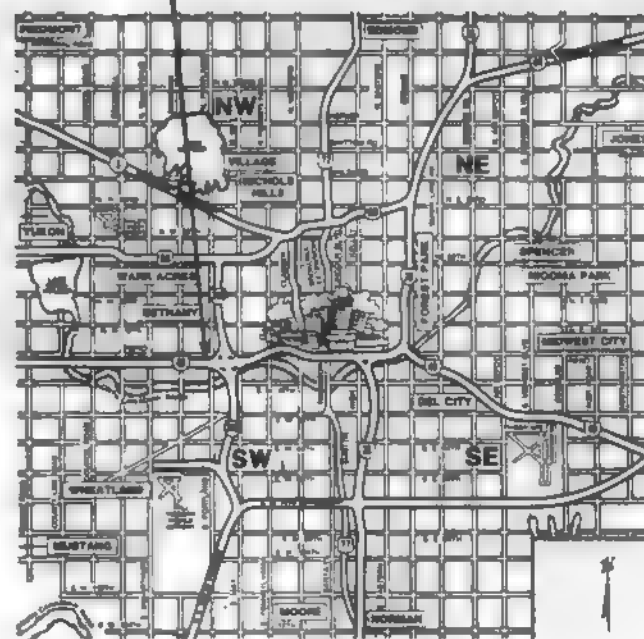
There's plenty to see and do in the OKC area. Local attractions are too numerous to list here, but the area does include over twenty golf courses, four lakes, amusement parks, the Southwest's largest science and technology museum, the Cowboy Hall of Fame, and much more.

Our convention site is right in the heart of OKC's action—just five minutes from downtown. Just the right kind of facility for a DX club convention, the Ramada Inn West includes a swimming pool, plus a small wading pool for children. A large variety of restaurants are located near the Inn—everything from a McDonald's, to a Denny's, to a nationally famous gourmet restaurant, Applewoods. For you urban (and suburban) cowboys, the Inn is located near Shepler's the world's largest western wear store.

The convention registration deadline is fast approaching. Act now!

**OKLAHOMA CITY**  
**Oklahoma**  
(AIRPORT WEST)

**RAMADA  
INN**





# INTERNATIONAL NOTES from

Ken Simon  
513 6th Avenue South  
Lake Worth FL 33460



Photo "Pro-  
sist" brand

First, a report:

KICSIG F.W. MC, Perpet, Hungary (times in GMT), TROPO:

September 1980			
21 Tr 2010	E7	ARD-1 Brotjackriegel, WEST GERMANY	325 km
21 29	E6	ARD-1 Dillhor, WEST GERMANY	160
22 1802	E25	TVP-2 Wroclaw, POLAND	390
23 0930	E27	ZDF Pfarrkirchen, WEST GERMANY	325
October 1980			
1 Tr 0834	E21	ZDF Regensburg, WEST GERMANY	385
27 1744	E20	JRT-2/Zagreb	200
27 2105	E40	unknown	
27 2144	E27	JRT-2/Sarajevo	275
	E47	Pljesevica, YUGOSLAVIA	320
28 1635	E22	JRT-2/Belgrade	425
1645	E35	Avala, YUGOSLAVIA	695
	E41	Crni Vrh, YUGOSLAVIA	350
	E38	Iriski Venac, YUGOSLAVIA	250
	E50	JRT-2/Zagreb	
		Belje, YUGOSLAVIA	
		unknown	
		JRT-2 Zagreb	

E-SKIP:

October 1980

19 Es 1507	E2	SVT-1 SUNDEN
	E4	SVT-1 SUNDEN
1513	E2	NRK-1 Cullen, NORWAY
1541	E2	YLE-2 FINLAND

November 1980

1 Es 0925	E1	TSS U.S.S.R.
1235	E2	unID
2 0710	E1	TSS U.S.S.R.

(Thanks a lot, maybe  
other foreign members  
will submit reports!!  
Gives you some idea  
what DXing is like in  
Central Europe...)

From RICHARD CLARK of the Dominican Republic comes the latest TV and FM news from the Caribbean area:

DOMINICAN REPUBLIC: ch 13 Tele Inde is back on the air.

JACKS A.D. CAICOS: ch 3 on the air with scrambled sound and using Tampa FL chs 9, 10, and 13 and Vancouver BC chs 2, 8, and 21 delayed programming (Cooper says it's ch 4).

## INTERNATIONAL NOTES

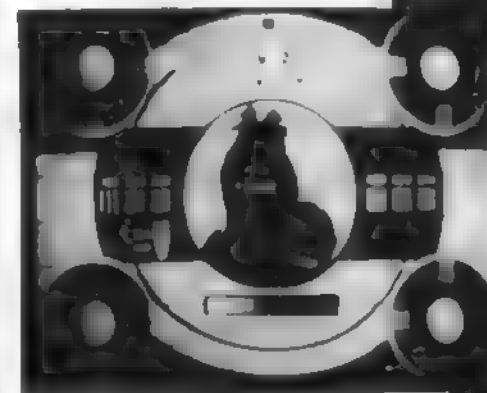
July 1981

HAITI: (Now on-the-air TV!!!)

ch 2	Tele-Haiti	Port-au-Prince	French and Spanish
2	4VTNH TV National	Cap Haitien	CF
4	Tele-Haiti	Port-au-Prince	English (Miami chs 4, 7, 10 with IDs repeated)
7	4VTNH	Cap Haitien	CF
8	4VTNH	Port-au-Prince	Government non-commercial
10	4VTNH	Aux Cayes	repeats ch 8

FMs will be in next month's column.

ID slide from  
ICELAND  
(from Keith Hamer,  
Derby, ENGLAND)



Test pattern  
from SWEDEN  
(Garry Smith,  
Derby, ENGLAND)

BBC-1 TV animated ID-- the same one seen by several North American TV DXers during the 1979-81 P2 peak activity (from Keith Hamer)



# understanding fm antenna specs

For many years now, audio enthusiasts have been specification-oriented. Data abounds on tuners, amplifiers, turntables, etc., as a result of the growing awareness among consumers. In the very competitive market of today, most manufacturers now will freely tell you more than you need to know about their tuners and receivers.

Fortunately for the FM DX enthusiast, some of this has carried over to the antenna manufacturers. Some major antenna makers, such as Finco, are very "up-front" about their FM antenna line, and will send you detailed spec sheets if requested.

Traditionally, specifications have been hard to come by for TV and FM antennas. In some cases, it almost seemed as if they didn't want the potential customer to know their antenna specs; in others, it was clear that they weren't even sure of the specs themselves.

You can't afford to buy every top-notch FM antenna model and test them for yourself. The next best thing is to get a look at a set of specs. No matter how good the antenna looks in an illustration or photo, the actual electrical specifications remain the true proof of performance.

Unless you know how to interpret them, specs really don't mean much. There are also some "specs" that really are of no use to the DXer, such as the hilarious "mileage" claims used by some manufacturers. To assist you in making a wise decision when selecting an FM DX antenna, here's a brief run-down on what the specifications actually mean.

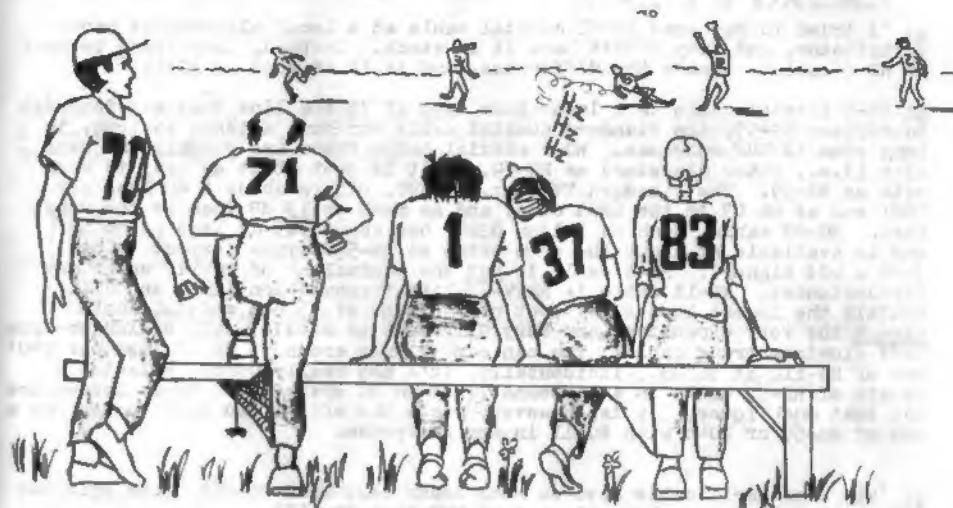
**GAIN:** Usually the most important antenna spec to a DXer, and the one most likely to be "sweetened" or inflated by the antenna maker. When measured against some kind of known standard, such as a  $\frac{1}{2}$ -wave reference dipole, this figure (measured in dB) tells much of the story. An FM yagi having a measured gain of 6 dB over a  $\frac{1}{2}$ -wave dipole would be producing twice the signal voltage of the dipole. One having 12 dB gain would be producing four times the signal level of the dipole, etc. It's worth noting that the gain of even the best FM yagi design is limited by the bandwidth of the antenna. The FM broadcast band is 20 MHz wide. For that part of the spectrum, 12 dB gain over a dipole is close to the maximum amount of gain that a ten-element yagi can produce. If anyone claims much more gain in dB, it's likely that they're using an isotropic reference--which adds just over 2 dB to the gain figure. If you have the gain specification, you must also know what kind of reference was used to measure the gain. The gain of any antenna (also called forward gain) is best expressed when measured against a  $\frac{1}{2}$ -wave dipole. Look for "dBd" in the specs--it stands for dB gain over a dipole.

**FRONT-TO-BACK RATIO:** In most cases, the second most important consideration. Also expressed in dB, this tells you difference in signal level between a signal with the antenna pointed directly at it, and in the opposite direction. In a ten element DX quality antenna, 20 dB front-to-back is about the ultimate, and it means that a signal being picked up by the rear of the antenna would be ten times weaker than if it was coming into the front of the antenna. In most ten-element FM antennas, f/b ratios are more often closer to 15 dB over most of the band. The higher this figure is, the better for the DXer.

**VOLTAGE STANDING WAVE RATIO (VSWR):** Often ignored by DXers, but important to understand, this tells you how well the antenna impedance matches up to the ideal impedance--and thus, how efficiently the signal voltage will be transferred to your balun or transmission line. The ideal VSWR would be 1 to 1--a perfect electrical match. In the real world, this doesn't happen. In a well-designed FM antenna, this should never exceed 2 to 1 (expressed 2:1--or sometimes, just 2.0). The lower this ratio is measured at, the better. Look for VSWRs as close to 1.0 as possible. Expect a good FM antenna to average around a 1.7.

We've only just scratched the surface here, with the three most important FM antenna specs. There are others to consider, such as front-to-side ratio and beamwidth. Be sure to get the facts before you buy an FM DX antenna.

# THE VHF-UHF GAME



There's this baseball team...they've really had problems. One guy got kicked out for giving the coach a lot of static. Another 15 guys were given other jobs to do. We've got 55 guys who are victims of prejudice and spend most of the time sitting on the bench, and another 12 team members who are being worked to death. I ask you, is that any way to run a ball team?

--Bill Fahber

## STATION BREAK

c/o Bill Thompson  
1907 Seneca Street  
Buffalo, NY 14210

WTFDA member ads only. 3 line or 30 word limit.

**FOR SALE** - Realistic CB-60 portable. AM, FM CB, PSB h1 and lo, UHF. \$40 postpaid. Danny Buntin, 1312 N. Skyline, Stillwater, OK 74074.

**WANTED** - TV GUIDE editions from your hometown. Will trade NJ-PA or NY Metro edition, or send you cover price plus postage. Robert E. Schweitzer, 7 Madeline Ave., E Brunswick, NJ 08816.

**TRADE** - I'll personally visit stations ignoring your QSL requests. I'll even QSL myself if need be. I can cover a radius of 50 air miles around Toronto, and the Peterborough area, and all TVONTARIO stations and more... if you'll do the same for me. Saul Chernos, c/o P.O., Burnt River, Ontario K9M 1C6.

Your non-commercial ad can appear in the VUD free of charge! Got a piece of gear you'd like to sell? Looking for something? Advertise in STATION BREAK.

## TECHNICAL TOPICS



Q: "I tried to buy some RG-11 coaxial cable at a local electronics parts distributor, and they didn't have it in stock. Instead, they tried to sell me RG-6 cable. What's the difference, and is it as good as RG-11?"

A: RG-6 coaxial cable is a lower-loss type of 75 ohm line that was intended to replace RG-59, the standard coaxial cable for home antenna systems, in long runs to UHF antennas. RG-6 coaxial cable types are roughly the same size (i.e., outer diameter) as RG-59, so it is just about as easy to work with as RG-59. The standard TV coax, RG-59U, offers about 8 dB loss per 100' run at oh 83 in the best case, and as much as 13 dB loss in the worst case. RG-6U cable, such as Belden 8228, has about 6.5 dB loss at oh 83, and is available at about the same price as RG-59U types (expect to pay just a bit higher). RG-6 cable is not the equivalent of RG-11, under any circumstances. RG-11 cable is MATV-quality transmission line, and will exhibit the lowest losses per foot of any kind of 75 ohm coaxial cable except the very expensive (and very difficult to obtain) #12 or larger-type CATV aluminum trunk cable. You can expect only around 5 dB of loss per 100' run of RG-11U at oh 83. Incidentally, it's not really worth replacing a length of RG-59 cable in a highband TV or FM DX system with RG-6; losses are not that much lower. It is, however, worth the effort and cost to replace a run of RG-59 or RG-6 with RG-11 in any DX system.

Q: "Why does RG-11 cable have so much lower loss than RG-59? Does shielded 300 ohm twinlead have lower losses at UHF than RG-11?"

A: RG-11 coaxial cable has such lower losses because it's physically larger--the center conductor is #14 copper wire, which has a larger diameter than the #18, #20, or (in the cheapest types of RG-59) #22 copper center conductor. The larger the diameter of the center conductor, the more signal current (and hence, less attenuation) that can flow through the cable. Of course, by making the center conductor larger, the rest of the cable has to be made larger also, to maintain the proper shield-to-center conductor ratio that gives the cable its characteristic impedance. Shielded 300 ohm twinlead has greater losses than RG-11 at UHF. However, you don't need to use baluns with 300 ohm twinlead, so in some cases, some of the better types of shielded 300 ohm line may have close to the same loss figures in equivalent runs, but you're still better off with the RG-11 and baluns, because the shielded twinlead is not quite as versatile, and not cheap. RG-11 will last longer in severe weather, too.

Q: "Is there any special type of coaxial cable to use if you're also going to have a mast-mounted antenna preamp?"

A: If you're using a 75 ohm mast-mounted preamp, use the best 75 ohm coax you can afford. There are no special considerations for most preamps--they will work using any kind of 75 ohm cable. However, they will only work the best using the lowest loss cable. The kind of cable itself has no actual bearing on the preamp's electrical connection to the power supply, as long as there are no breaks in the coax. Make sure the F-connectors are cleanly in place, with no strands of braid or shield material sticking out--this could short circuit the preamp's power supply. If you have your preamp mounted on a mast or tower below your rotatable DX antenna, you should use RG-11U foam shielded with aluminum, rather than ordinary RG-11U foam with braid shielding. This type of coax is more durable, and the short run of it from your antenna balun to the preamp is subject to more stresses than at any other place in your DX system. You should take special care to weatherproof this run of coax if you live in a northerly climate, since this is the part of your transmission line that can easily take on water. The rotation of the antenna will subject it to more stresses than just the weather itself.

## FEEDBACK

## E-SKIP EXPERT RECOGNIZES THE TV DXERS

In April's VUD, we published a copy of Glenn Hauser's letter to Dr. Ernest K. Smith, the author of an article in the February 1981 IEEE Spectrum. Here's Dr. Smith's reply to Glenn:



JET PROPULSION LABORATORY California Institute of Technology • 4800 Oak Grove Drive, Pasadena, California 91101

Refer to: 339EK5:bv

23 March 1981

Glenn Hauser  
University Radio WUOT  
Knoxville, TN 37916

Dear Glenn:

It was good to hear from you, and our apologies for slighting the TV-DXers in the Spectrum article Ed Davis and I authored. I am indeed aware (and in fact own at least one copy) of the VHF-UHF Digest published by the Worldwide TV-FM Association. For reasons of brevity we had lumped everyone who is interested in sporadic-E transmissions as a hobby as an "amateur". However, I do appreciate the distinction between hams and TV-DXers and we perhaps should have recognized the latter separately. The eavesdropping aspect is also real, and we chose not to get into it.

Very truly yours,

*Ernest K. Smith*  
Ernest K. Smith

cc: E. W. Davis  
IEEE Spectrum  
Bill Thompson, Ed VHF-UHF Digest

We'd like to thank Dr. Smith for remembering us. Depending upon how you define the term "TV DXer," there may be as many as several thousand of us in the United States alone. One of the biggest problems that has faced the hobby has been getting TV DXers in touch with each other; that's one of the reasons that WTFDA exists. Recognition by such physicists as Dr. Smith is greatly appreciated. WTFDA HQ would like to thank member Jim Brown, W5DRP, of Alexandria VA for forwarding a copy of the IEEE Spectrum article.



Jim Alexander  
4 Brook Court  
Parsippany, NJ 07054  
July, 1981



WMUL-33 Huntington, WV  
370 mile tropo  
7/13/80 (Kramer)



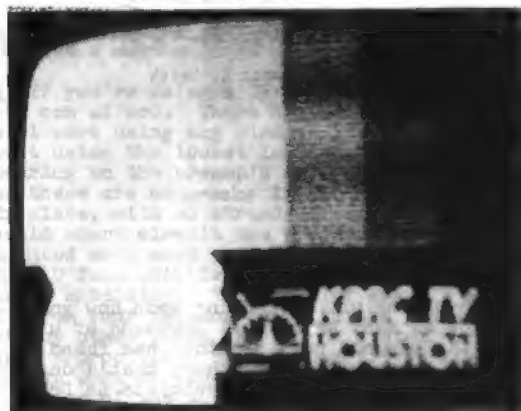
KIII-3 Corpus Christi, TX  
1,280 mile E-skip (Gaines)



WEEK-25 Peoria, IL  
345 mile tropo (Gaines)



WANX-46 Atlanta, GA  
405 mile tropo (Combs)



KFRC-2 Houston, TX  
E-skip  
7/26/80 (Grant)

## Contributors:

Robert Kramer,  
Chicago IL

Paul Gaines,  
Detroit MI

John Combs,  
Orlando FL

Robert Grant, (photo taken at  
Honor, MI)

73 and good DX, *Jim*

# SPECIAL REPORT: CAN YOU HELP?

Dear fellow radio enthusiast,

Could I please invoke the international spirit of cooperation and friendship among radio enthusiasts and amateurs and ask your assistance?

I am a keen TV DXer, also a radio and TV amateur. I am very interested in the history of broadcasting and am assembling a collection of broadcast TV equipment of the vacuum tube era. Already acquired are monitors, test generators, image iconoscope, etc. The pride of the collection, however, is two monoscope cameras, which as you will doubtless be aware were once the mainstay of TV stations putting out the test card or tuning signal between programmes. Nowadays they are more or less museum pieces and while time is still on my side I am trying to collect the old monoscope tubes with the test cards in them. So far I have representative tubes from Britain (and Poland!) but apart from a blemished "Indian Head" have nothing to represent the USA, the birthplace of the monoscope. I am particularly keen to get hold of a tube incorporating the traditional US test card and station I/D. The tubes are type 2F21 or 1899.

Do you know where these tubes still exist, possibly stored away somewhere or still in use and soon to be taken out of service? I have written to several TV stations but had no success and I am hoping a WFTDA member may be able to help. I would be delighted to hear from anyone who has a tube or knows a TV station which still uses them. All expenses will be refunded, but please don't leave it to another guy! I am prepared to pay for the tube and shipping, or possibly collect it on a vacation which I hope to take soon. 73s,

Andrew Emerson, G8PTH  
4, Mount Pleasant,  
Blean Common,  
CANTERBURY, Kent, CT2 9EU  
GREAT BRITAIN

ANTHONY LOMAZZO is a physics professor at the University of Bridgeport CT.

Keystone state new member DANIEL OETTING is interested in weather forecasting, and uses a Panasonic RF-2600 for DXing. He writes, "I use its internal antenna, but wish to get an outdoor antenna. I'm located on the highest point in our county so DX is considerably plus from other surrounding areas. I have a Bearcat weather scanner with all three NOAA frequencies. I also DX on TV with a Panasonic B&W portable. Your sample copy of VUD made me jealous of some of the DX received by DXers around my area, so I just bought a 10 element FM antenna."

Finally, ROBERT RAGO is a data processing programmer who enjoys TV DX.

#### Tidbits.....

Vernon Eaton has such a deal for us! His son in law's father has a mess of galvanized cable he's selling cheap. It's 1/2" cable, and it's going for 5c per foot. Normally, such cable sells for 50-60c per foot. Minimum order is 500 feet. Also available are 4500' and 5000' rolls of the cable. The cable will be shipped by bus, or other appropriate method. Vernon estimates the cost at 2-4c per foot for delivery. For information, call Vernon at 501-847-2066, or write him at 82 Springhill Acres, Route 1, Benton, AR 72015. Send all orders to Vernon, and make checks out to him. His son in law's father bought a cable TV outlet, hence the availability of a lot of cable. He may also have some CATV cable, in case you're interested.

Word has it there's a new system being used to inform fellow members of skip openings. It works like this: if you hear something on skip from a particular area, call a fellow member in that area person to person and ask for Mr. E. Skip. Remember, too, that that cloud may help someone else. For example, if a DXer in Ohio is hearing Louisians, that same cloud would have a DXer in North Carolina hearing Kansas and Oklahoma. Some will question the ethics of such a method, of course, but it works.

Welcome back to Ron Ginardi! He writes, "Glad to be back! There wasn't much going on last year, and even less so far this year. I hope conditions improve some. Present equipment includes a Realistic TM-1001, CM4408, an FM preamp, and an RCA 13" digital remote TV. UHF selectivity is excellent. It's something else to be able to know whether one is looking at channel 33 or 34 in the middle of tropo. VHF antenna is a Radio Shack V-185. UHF antenna is also from RS. I know it doesn't have any high end, but don't see how to put a 7' dish up at 46' with everything else on one mast. I plan to meet everyone in OKC at the convention!"

Next up, some words from Neil Kazaross: "It's good to see FCC TV news again. I'm also looking forward to the preamp reviews. If I'm still in RI this summer, I hope to get a 7' dish and preamp up at my family's place in Narragansett RI. After receiving a couple of coastal VA translators with 100 watts at 350 miles using only a normal 6" UHF loop antenna, I'm curious as to what I can receive with about 40 dB more gain supplied by a dish and preamp!"

And to wrap it up this month, let's continue with comments from European DXer Paul van Rossum: "Its sensitivity and selectivity are very good, although there are sets that equal that, and the Accuphase tuner even surpassed it - but only on the lower end of the scale, while being distinctly less sensitive than the Technica on the higher part of the scale. It also has a linear dial, but that has been solved by many of our members who connected a counter to it. I preferred to straighten out the dial to zero-deviation which makes, combined with the easy to read scale of the set, digital readout unnecessary. I'll stop talking on this subject before you start thinking I own stock in that company or something!" We'll continue this next month.

Elsewhere in this issue you'll find some last minute comments on the convention. I hope to see many of you here. See y'all in August.....

.....73.....jz

**WKSW**  
**FM 100**

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